

Figure 1

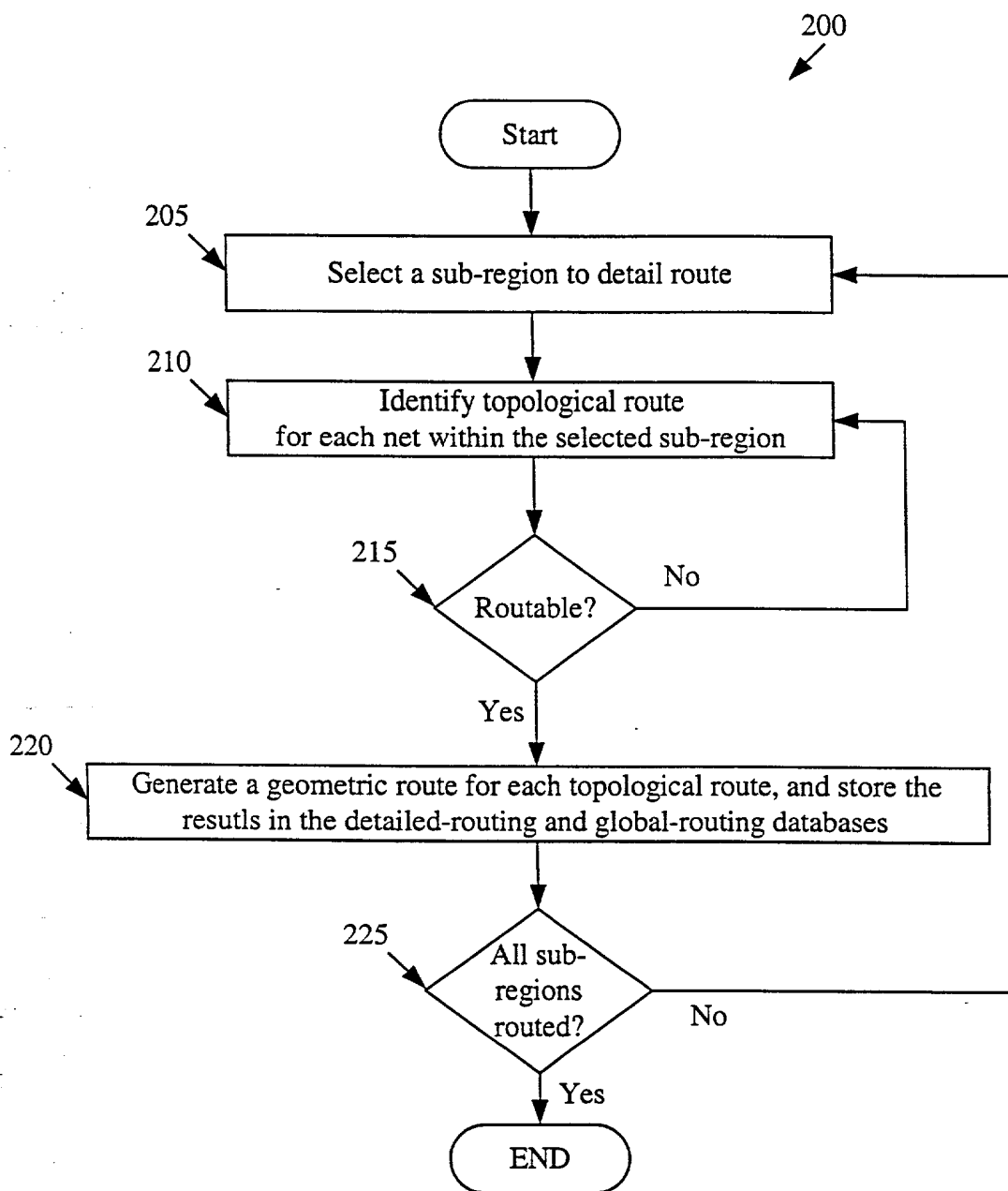


Figure 2

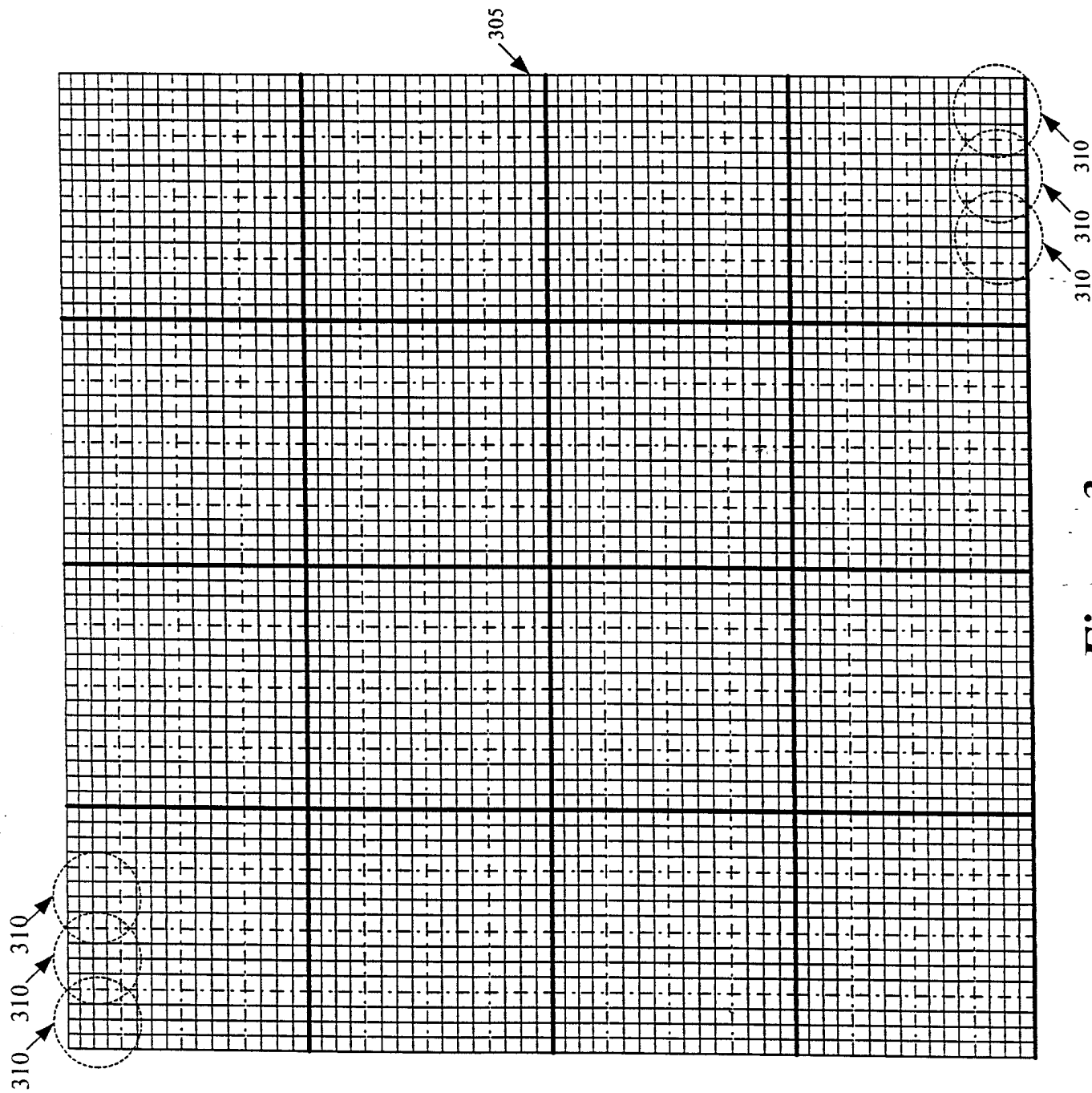


Figure 3

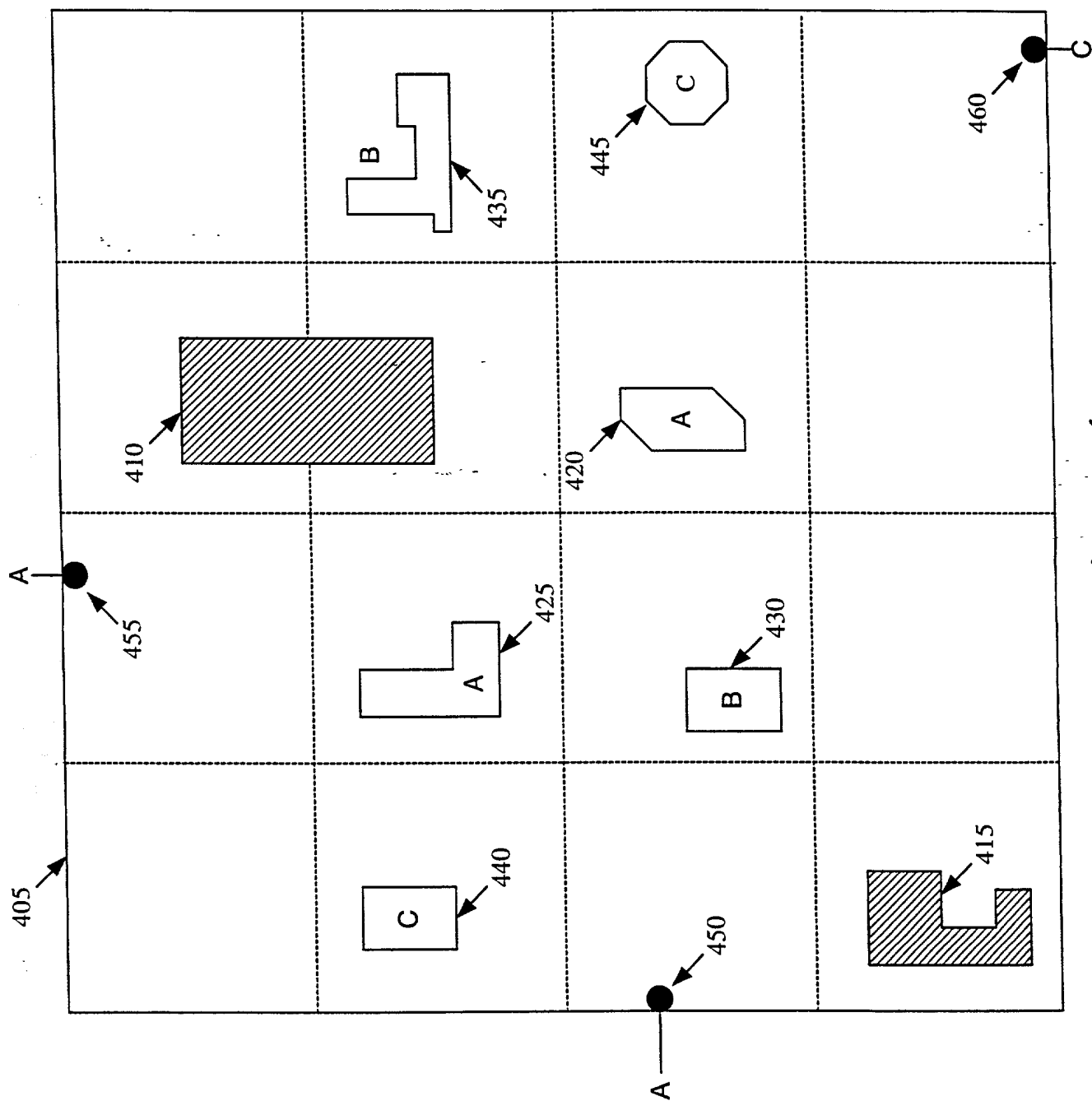


Figure 4

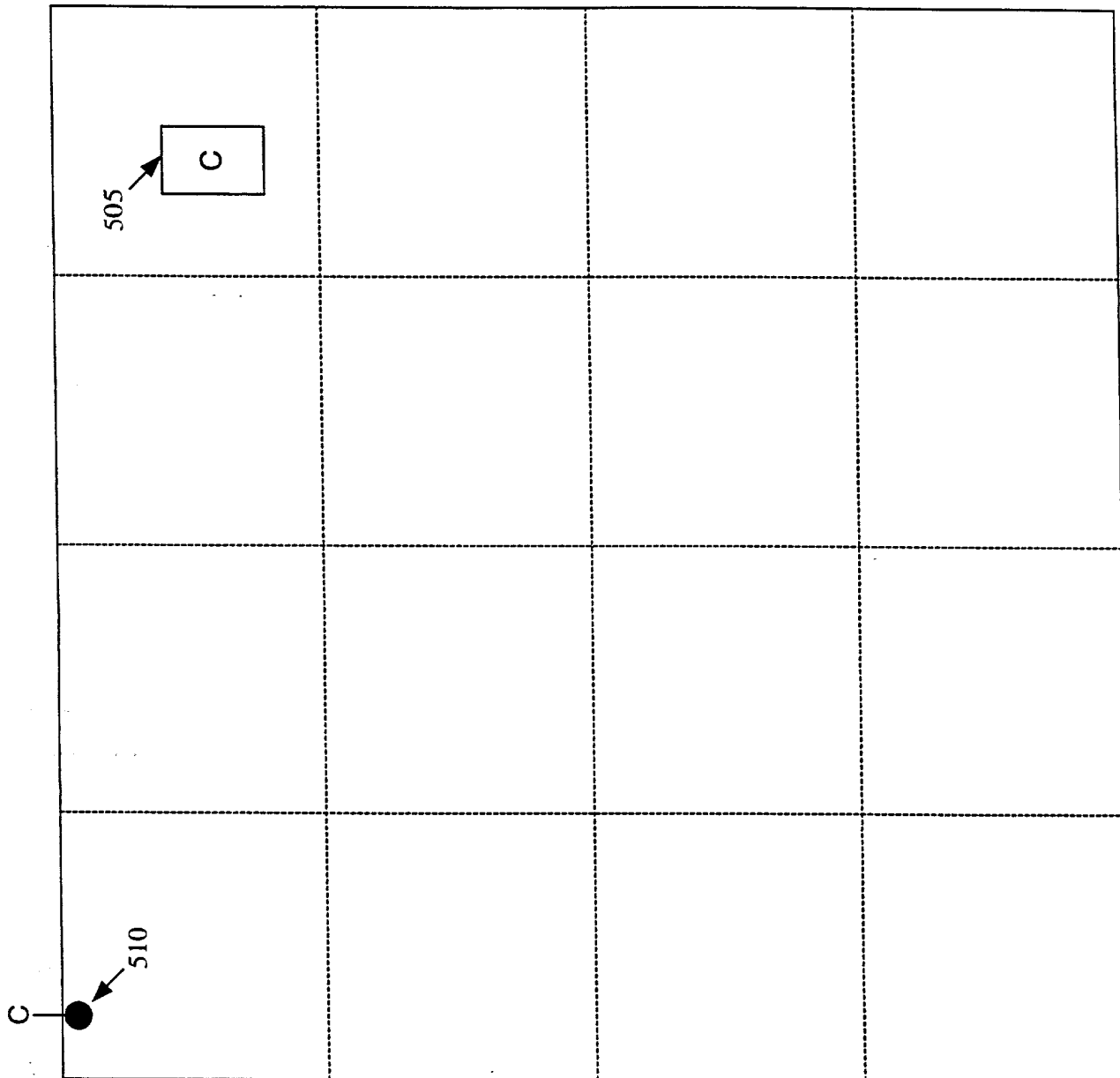


Figure 5

```
-List of Geometries
--Each Geometry including a sequence of points & layer assignment
-Bounding box of the region
-Array of layer properties
--Minimum wire size
--Minimum spacing
--Via sizes
--Cost/Unit
-Netlist specifying a number of nets
--Each net specifying a set of pins
--Each pin specifying a set of ports
--Each port specifying a set of geometries
```

Figure 6

```
-List of Geometries
--Each Geometry including a sequence of points & layer assignment
--List of connection nodes inside each pin geometry
-Bounding box of the region
-Array of layer properties
--Minimum wire size
--Minimum spacing
--Via sizes
--Cost/Unit
-Netlist specifying a number of nets
--Each net specifying a set of pins
--Each pin specifying a set of ports
--Each port specifying a set of geometries
-For each layer, a graph specifying
--Nodes
--Edges
--Faces
```

Figure 7

Face
<ul style="list-style-type: none">-Reference to 3 edges-Reference to 3 nodes-Up to two references for up to two face item

800

Figure 8

Edge
<ul style="list-style-type: none">-Two references for up to two faces of the edge-Capacity-Flow-Constrained-Linked list of items on the edge starting with one of the edge's nodes and ending with its other node

900

Figure 9

Node
<ul style="list-style-type: none"> -Net Identifier -One or more planar-path references to adjacent topological items in the same planar path -A pair of via-path references to up and down topological via items -A references to list of edges connected to the node -For each edge, an edge reference to the next or previous topological item on the edge -A reference to the geometry of the node -Vertex number identifying the vertex of the geometry -Location of the node

1000

Figure 10

Edge Item
<ul style="list-style-type: none"> -Reference to its edge -Net Identifier -A pair of planar-path references to adjacent topological items in the same planar path -A pair of edge references to the next and previous topological item on the edge

1100

Figure 11

Face Item
<ul style="list-style-type: none"> -Reference to its face -Net Identifier -Up to 3 planar-path references for adjacent topological items in the same planar path -A pair of via-path references for up and down topological via items -Bounding polygon that defines legal face item locations -Constraining Points and Distances

1200

Figure 12

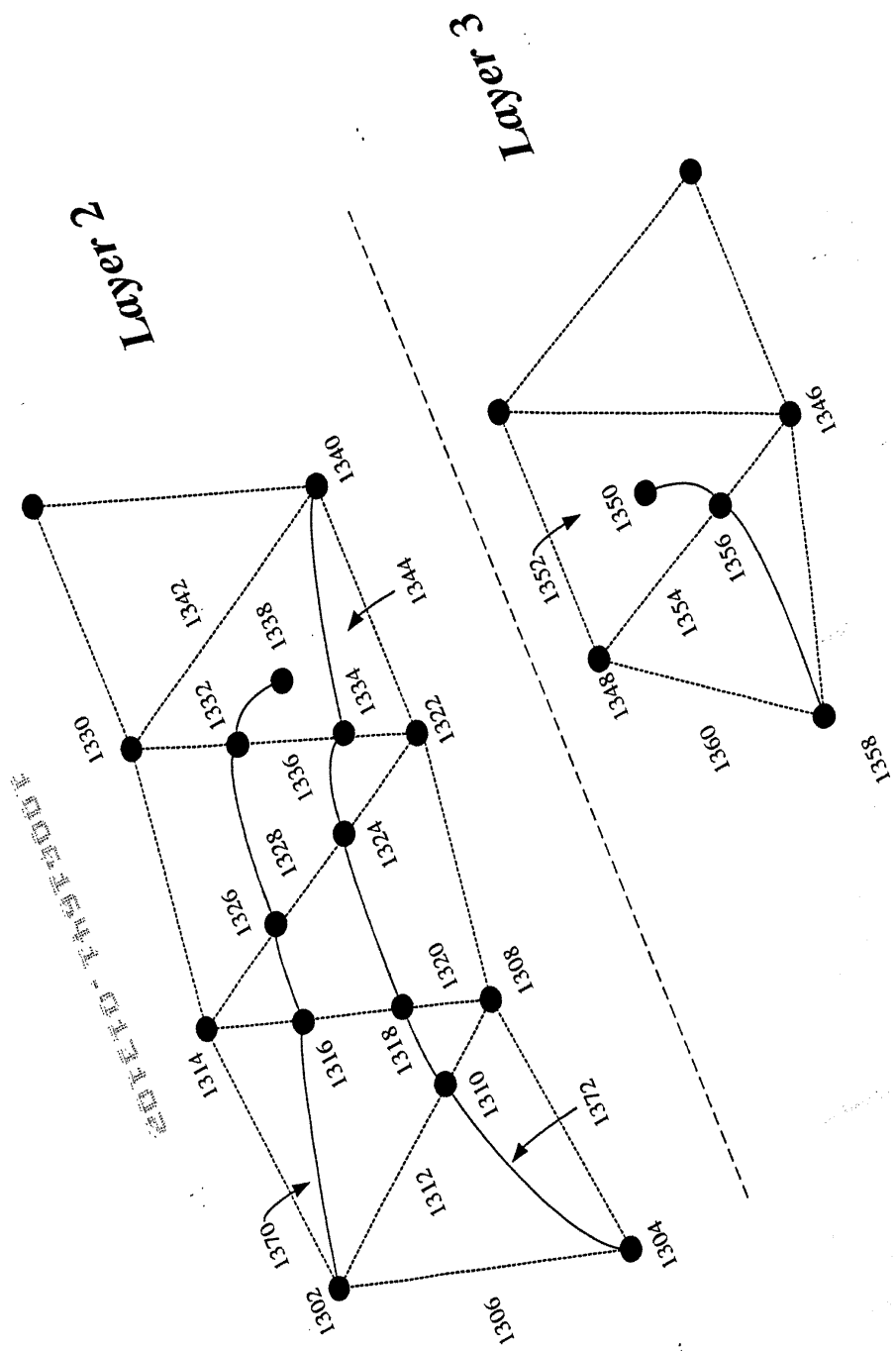


Figure 13

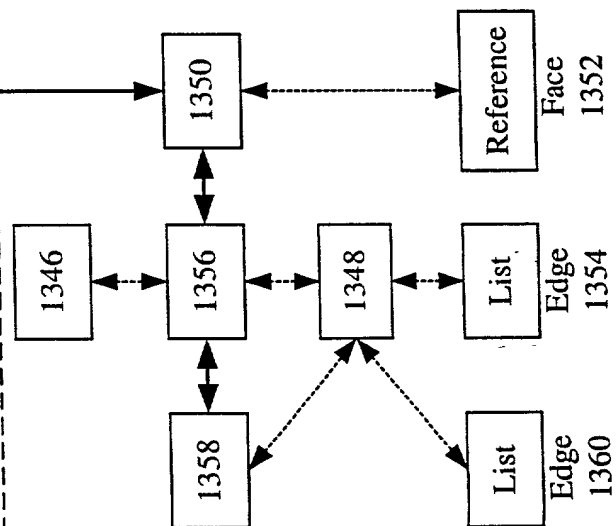
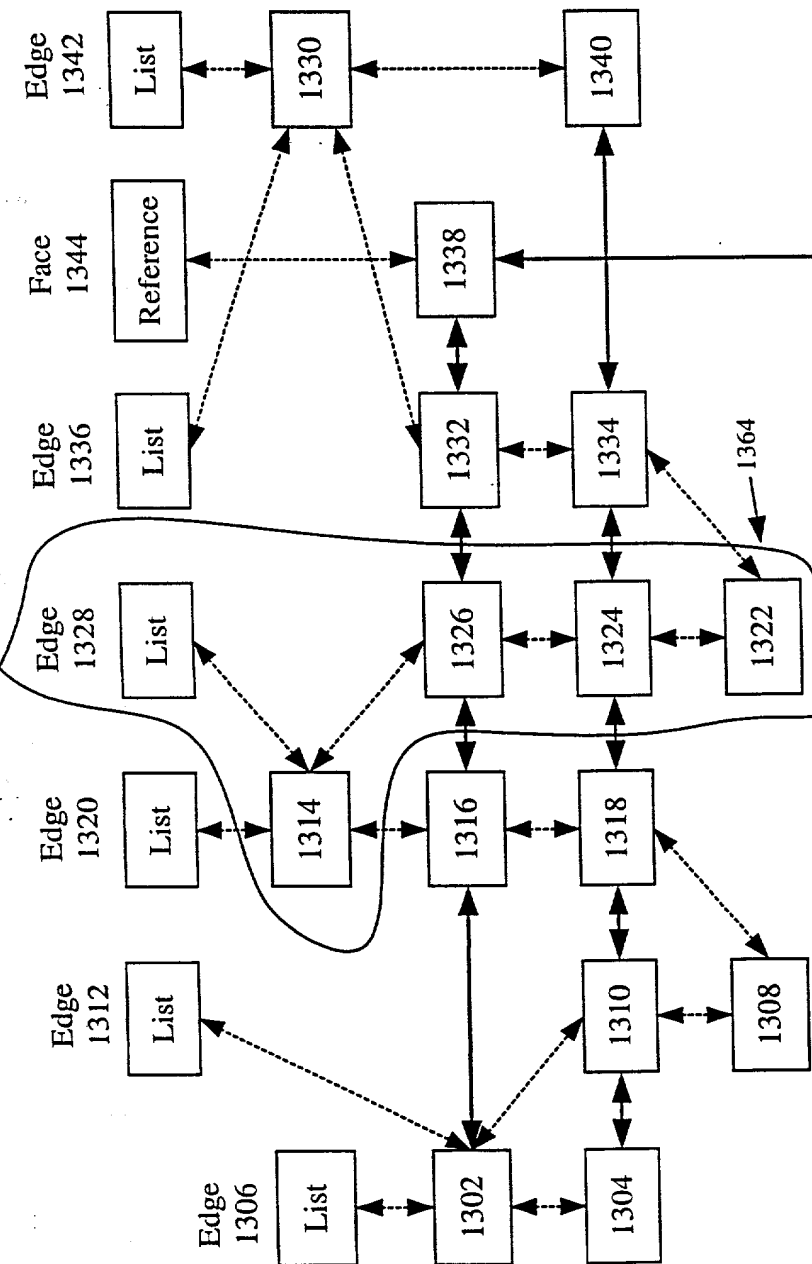


Figure 14

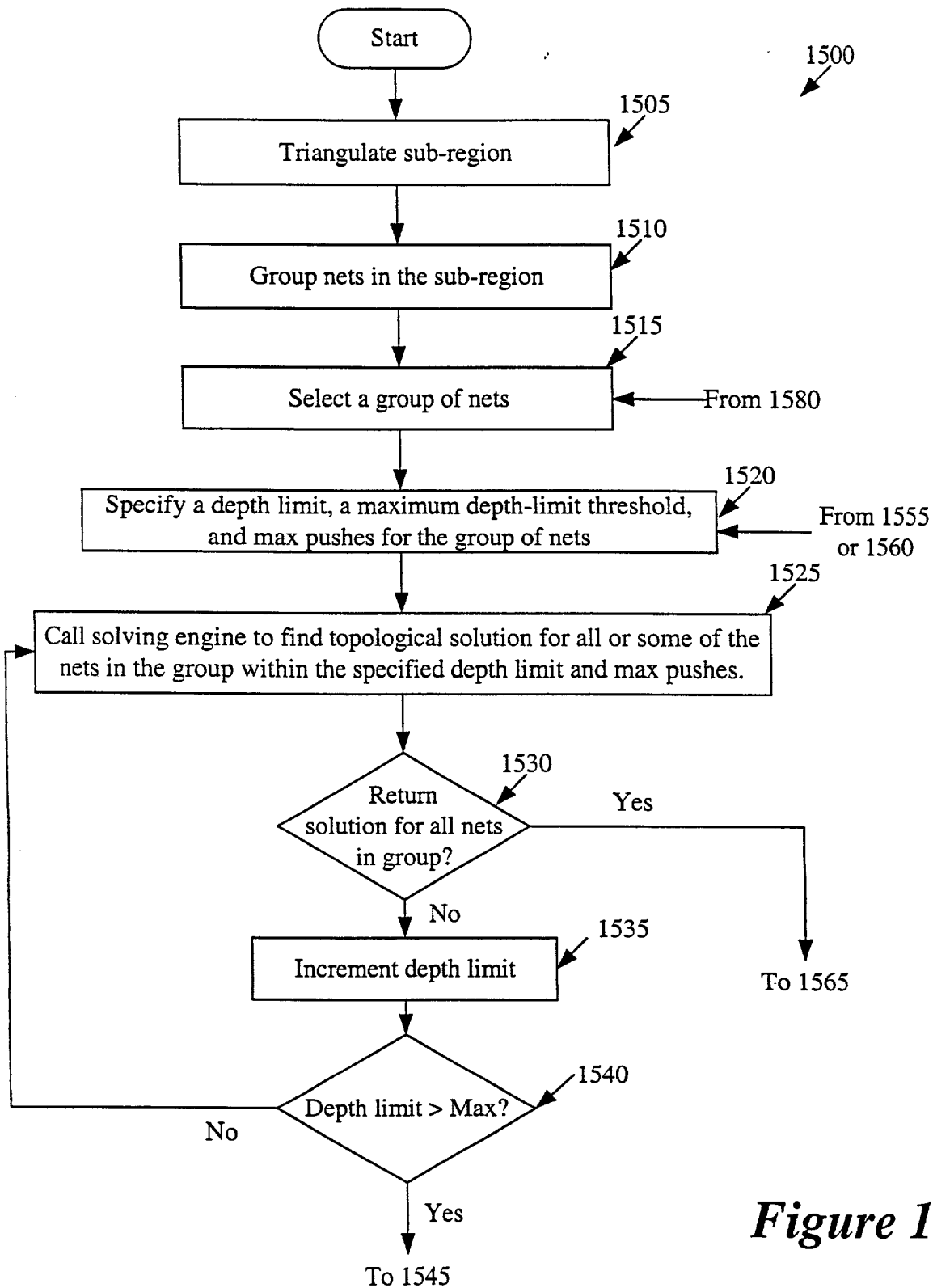


Figure 15A

Figure 15: Figure 15A
Figure 15B

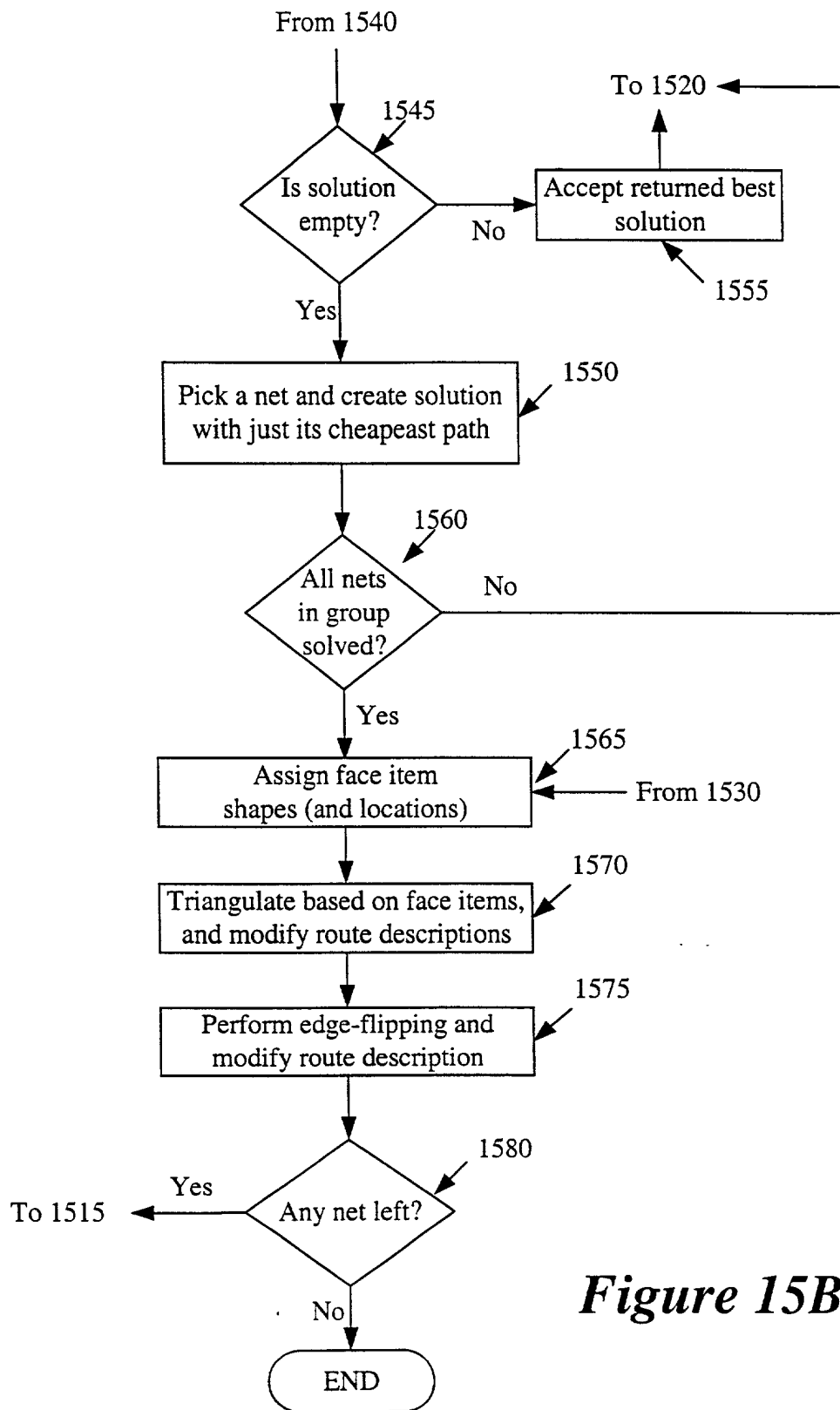
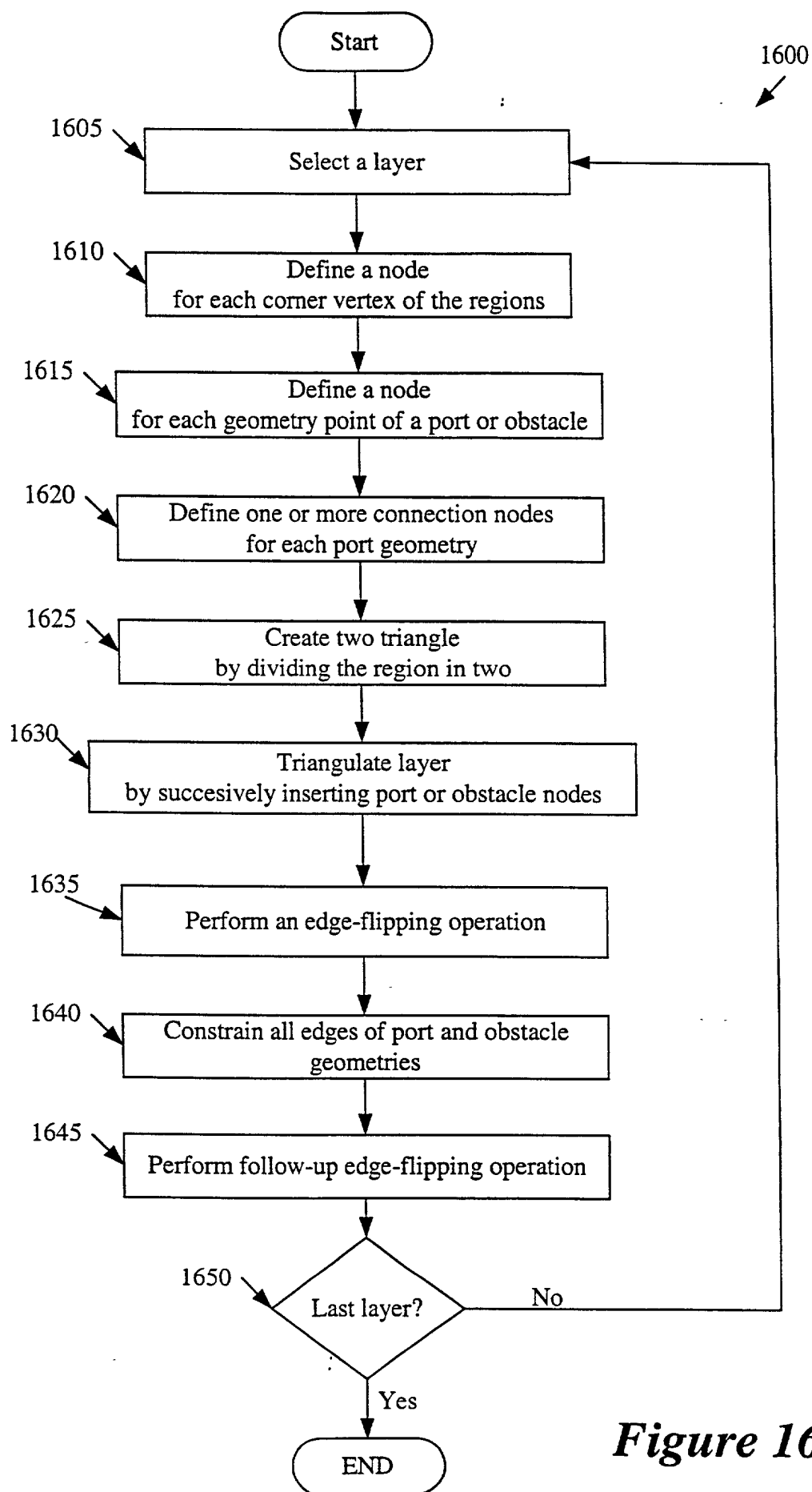


Figure 15B



UNITED STATES GOVERNMENT

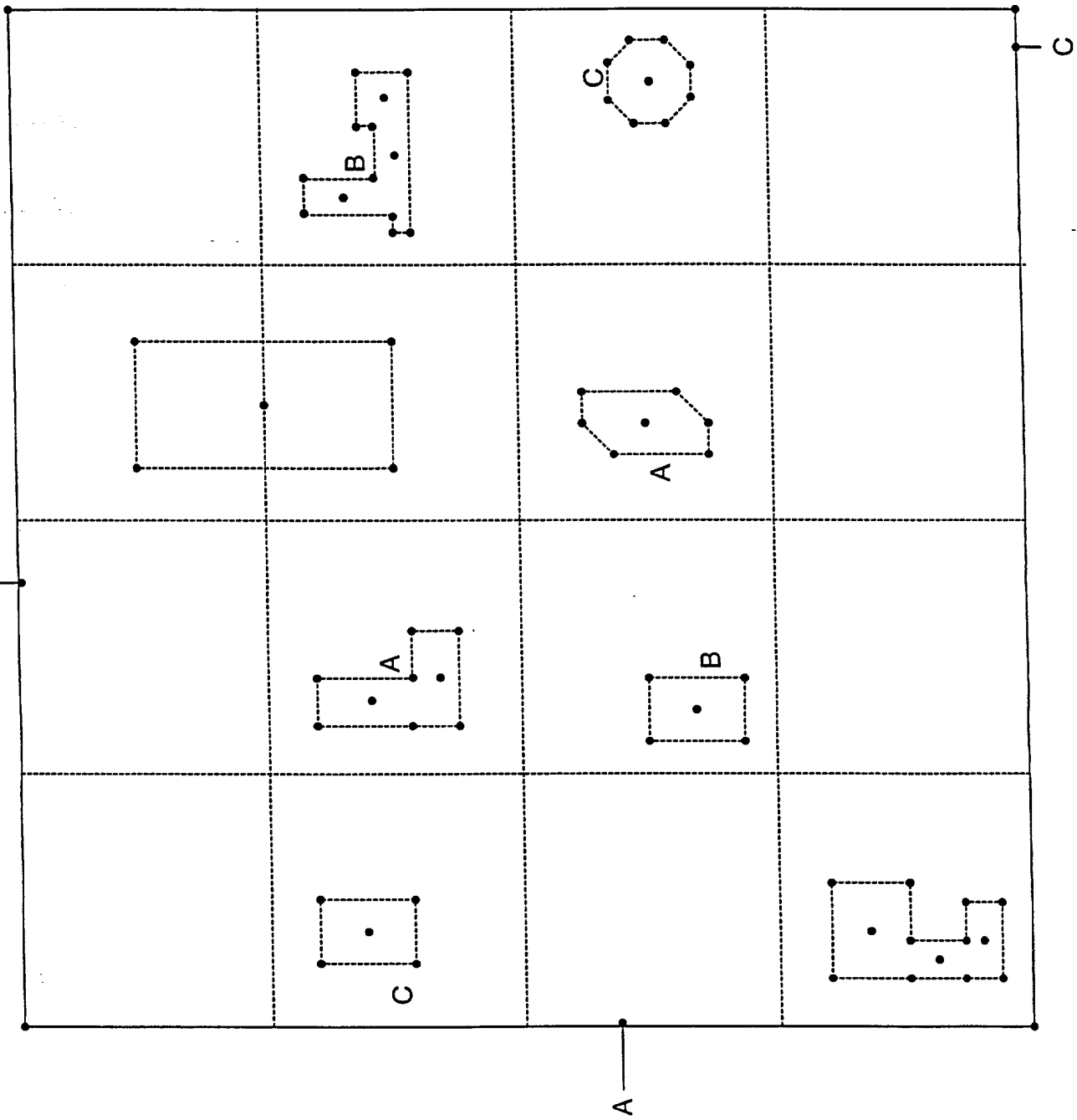


Figure 17

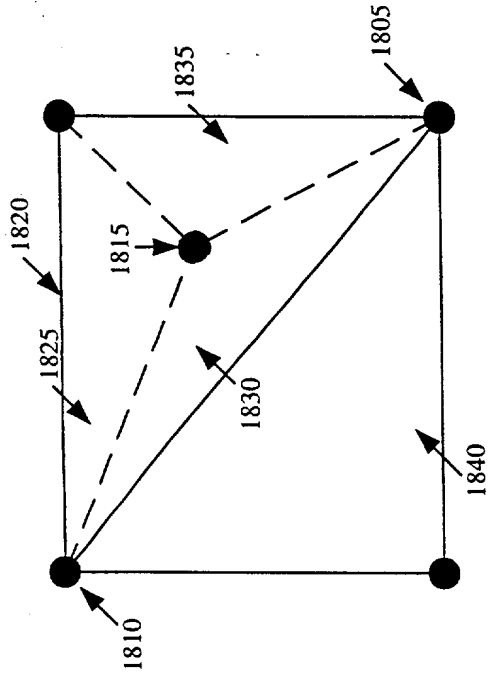


Figure 18

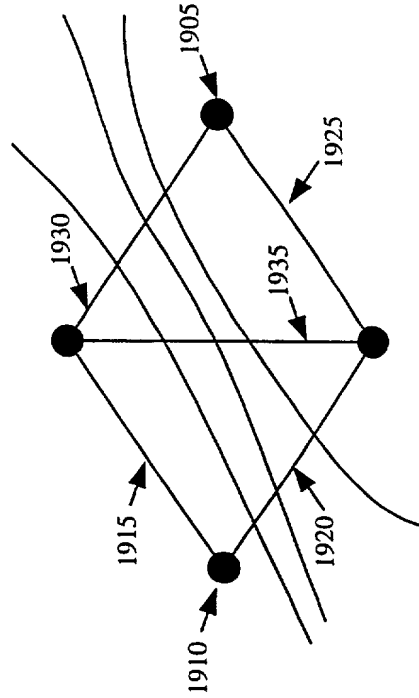


Figure 19

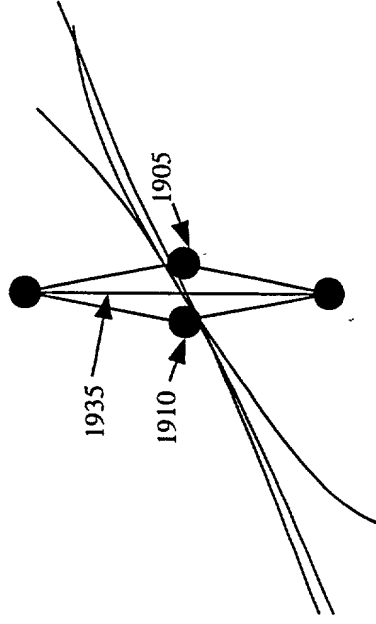


Figure 20

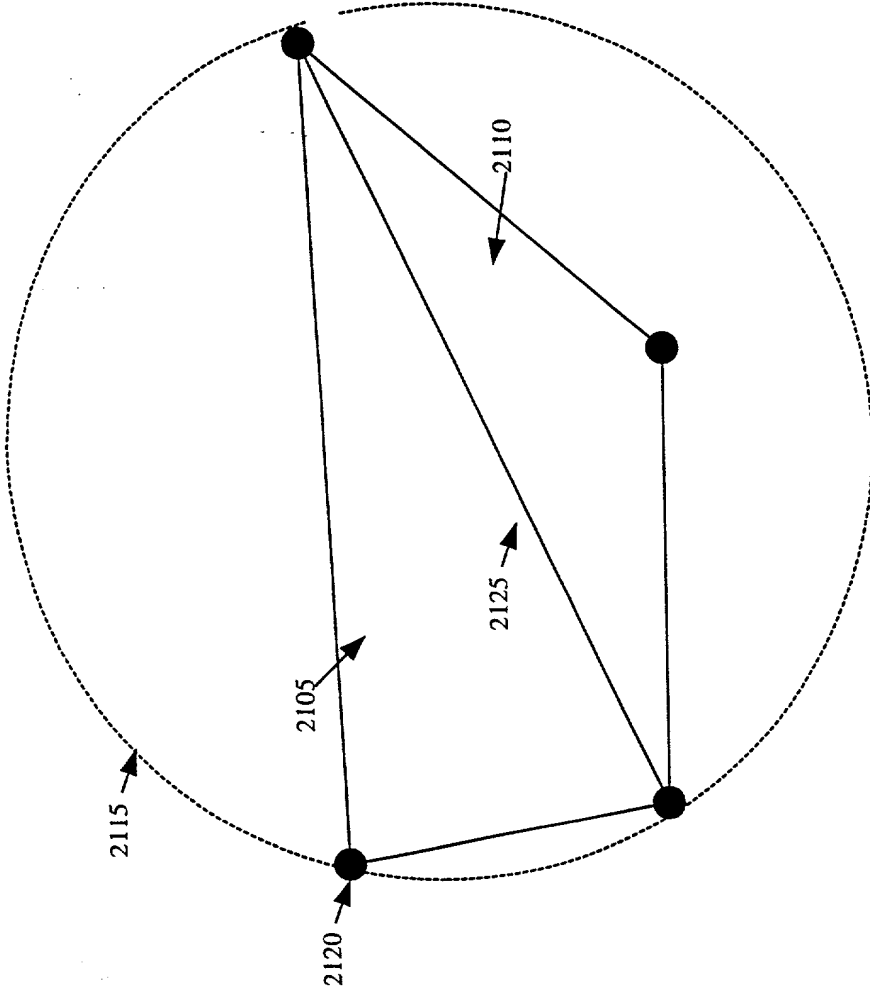


Figure 21

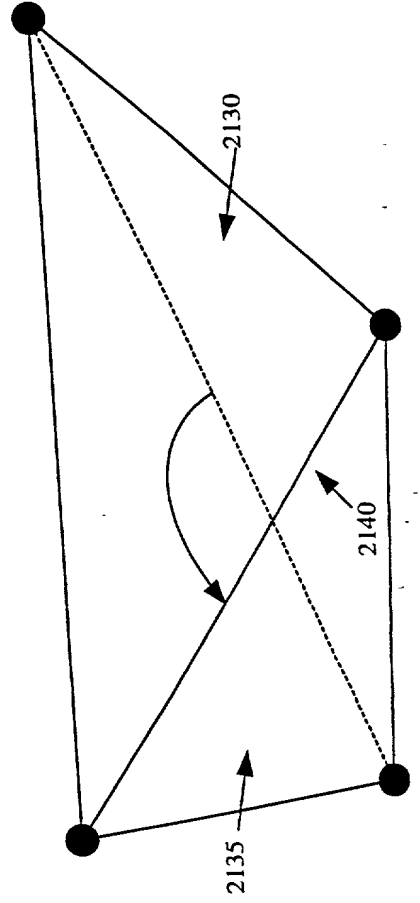


Figure 22

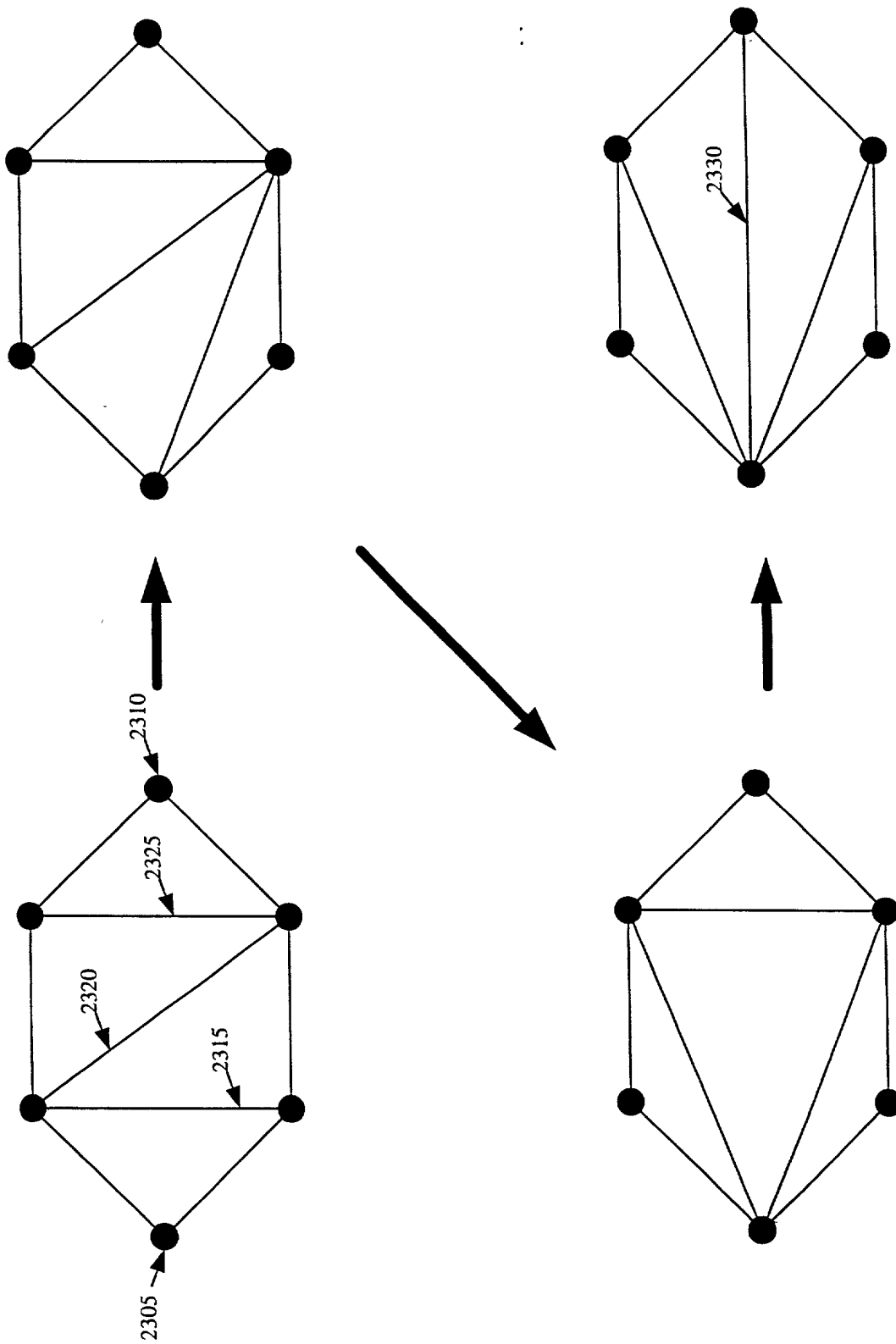


Figure 23

OFFICE OF THE ARCHITECT

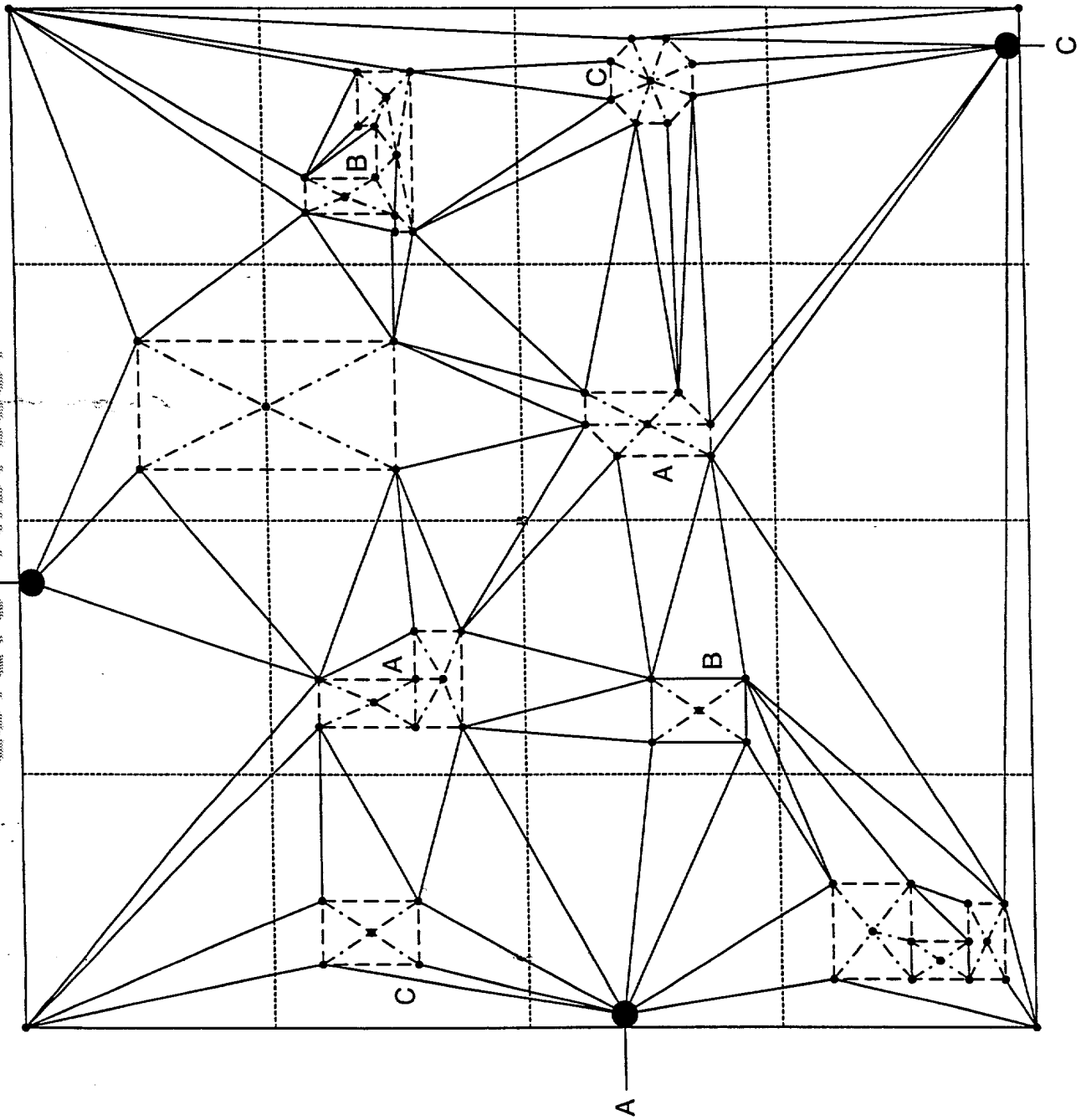


Figure 24

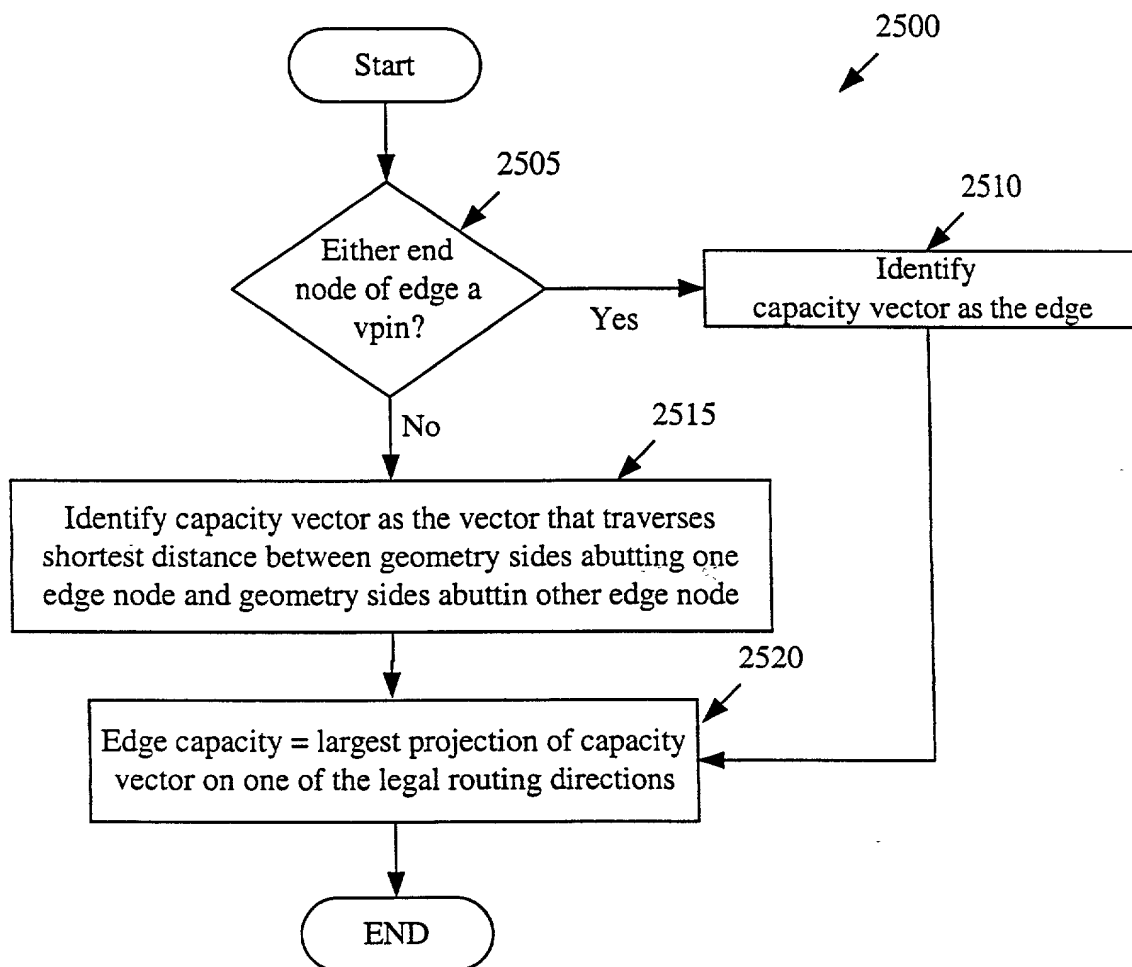


Figure 25

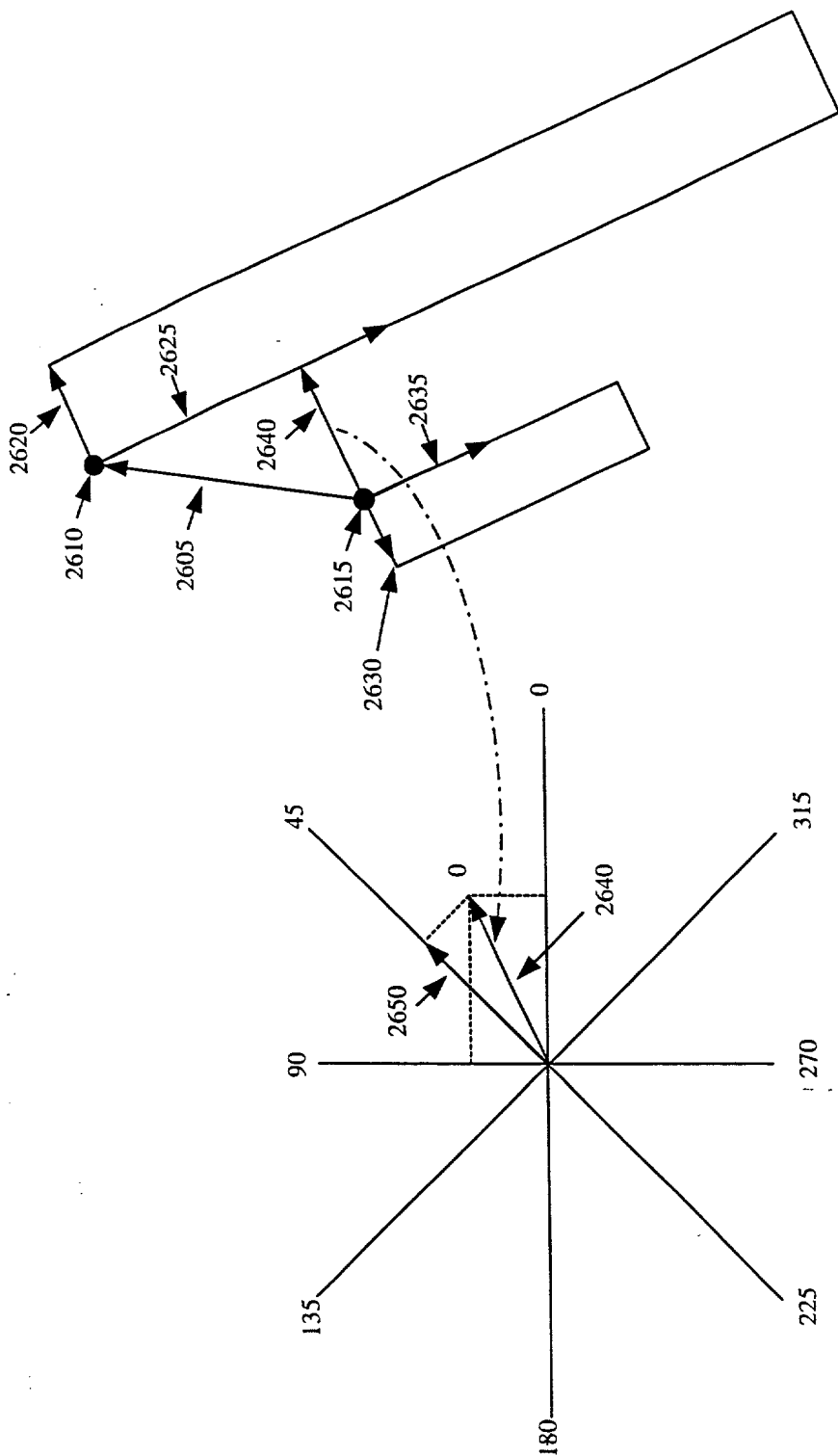


Figure 26

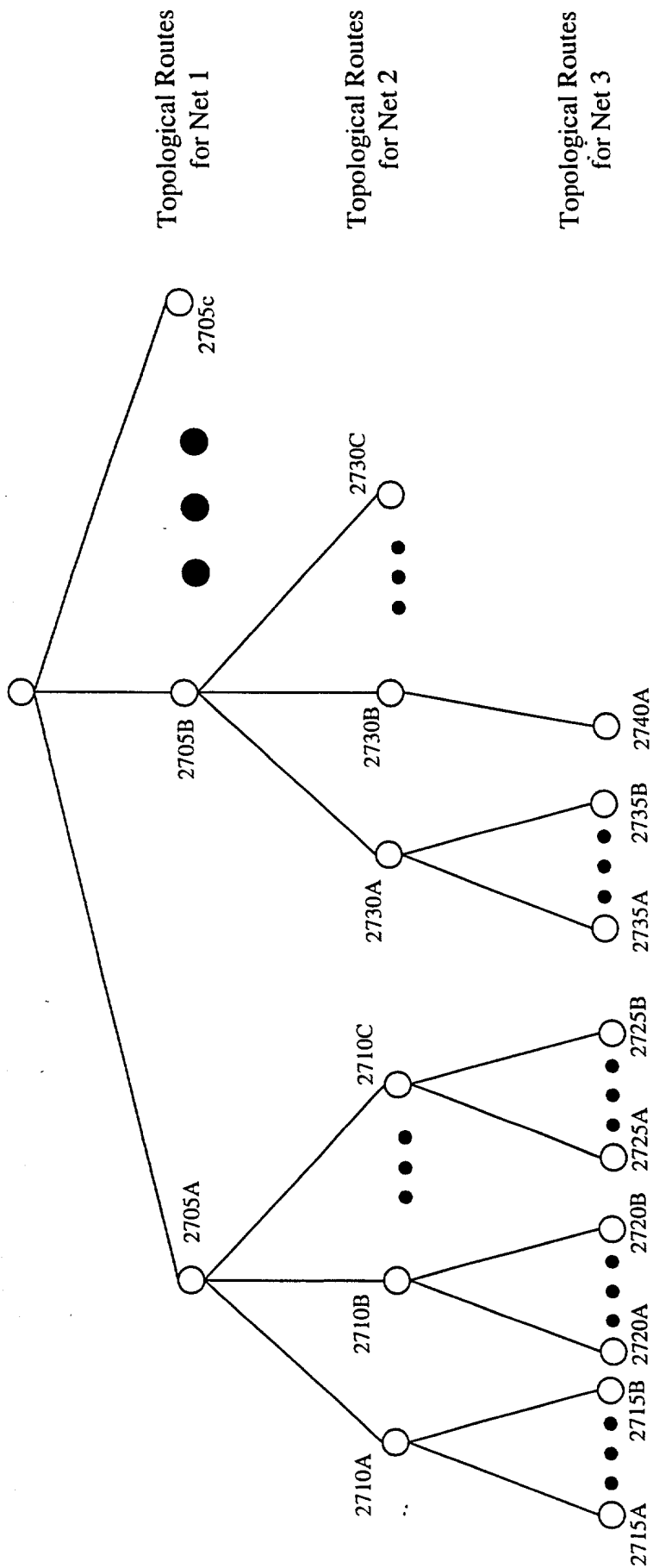


Figure 27

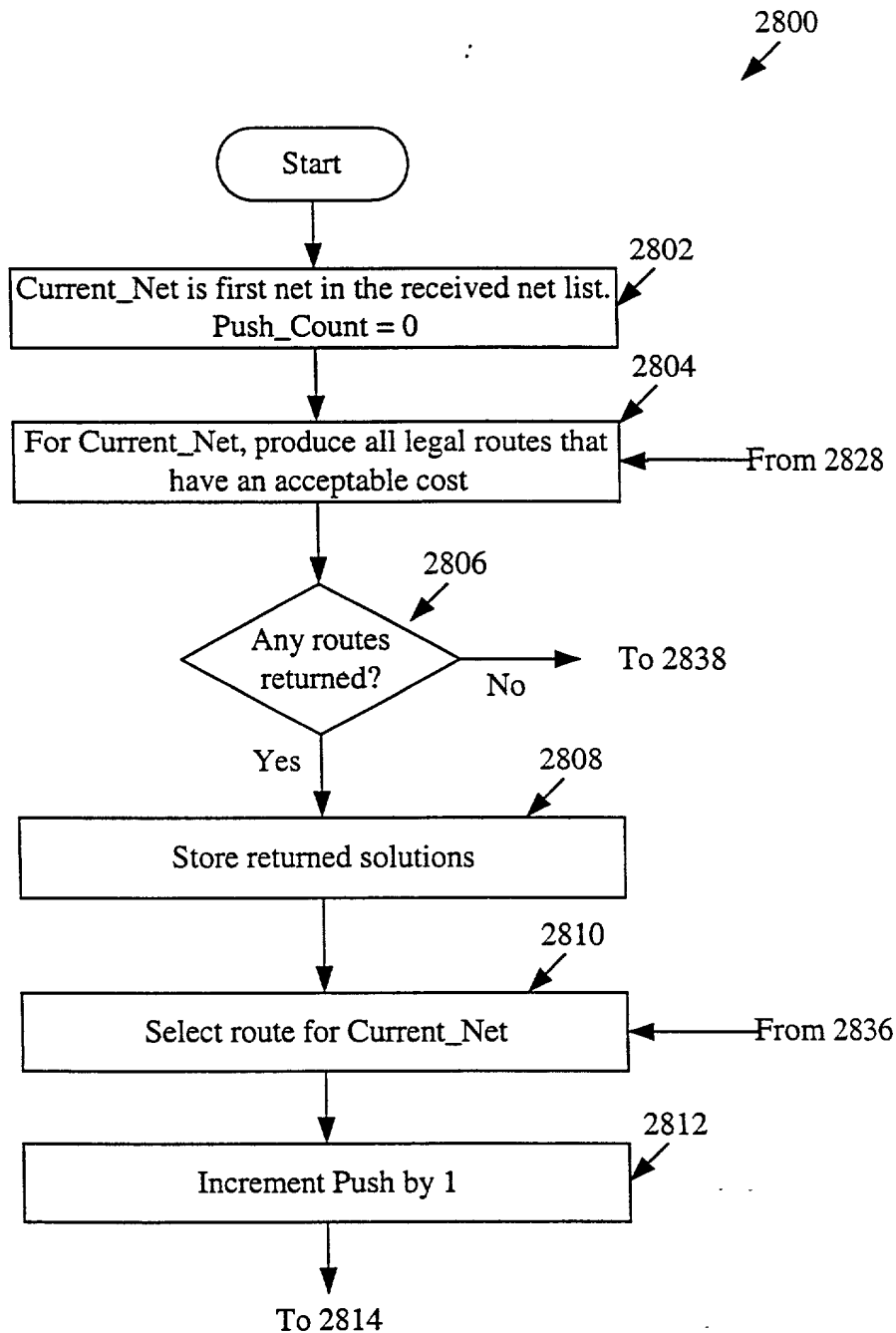


Figure 28A

Figure 28: $\frac{\text{Figure 28A}}{\frac{\text{Figure 28B}}{\text{Figure 28C}}}$

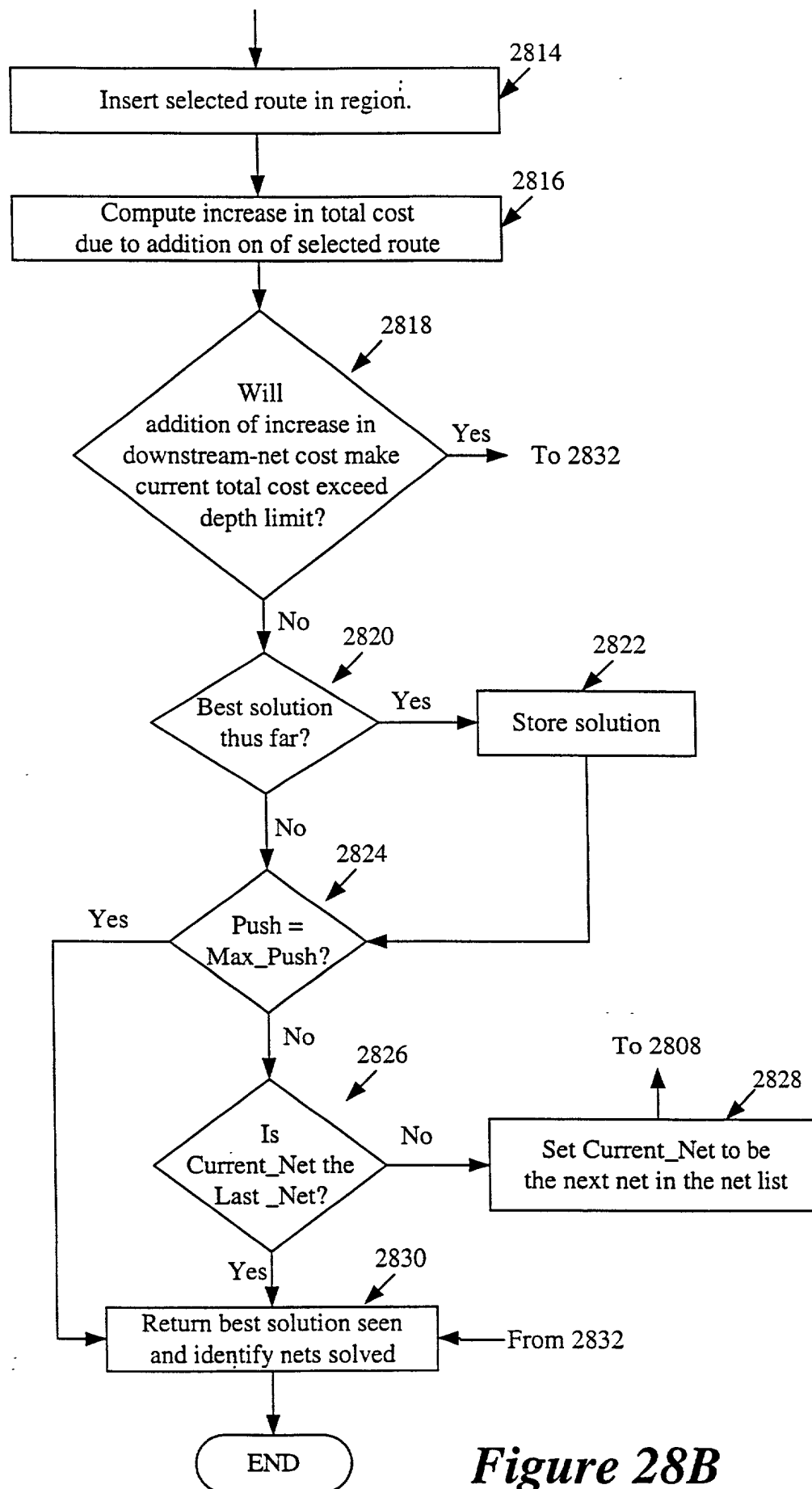


Figure 28B

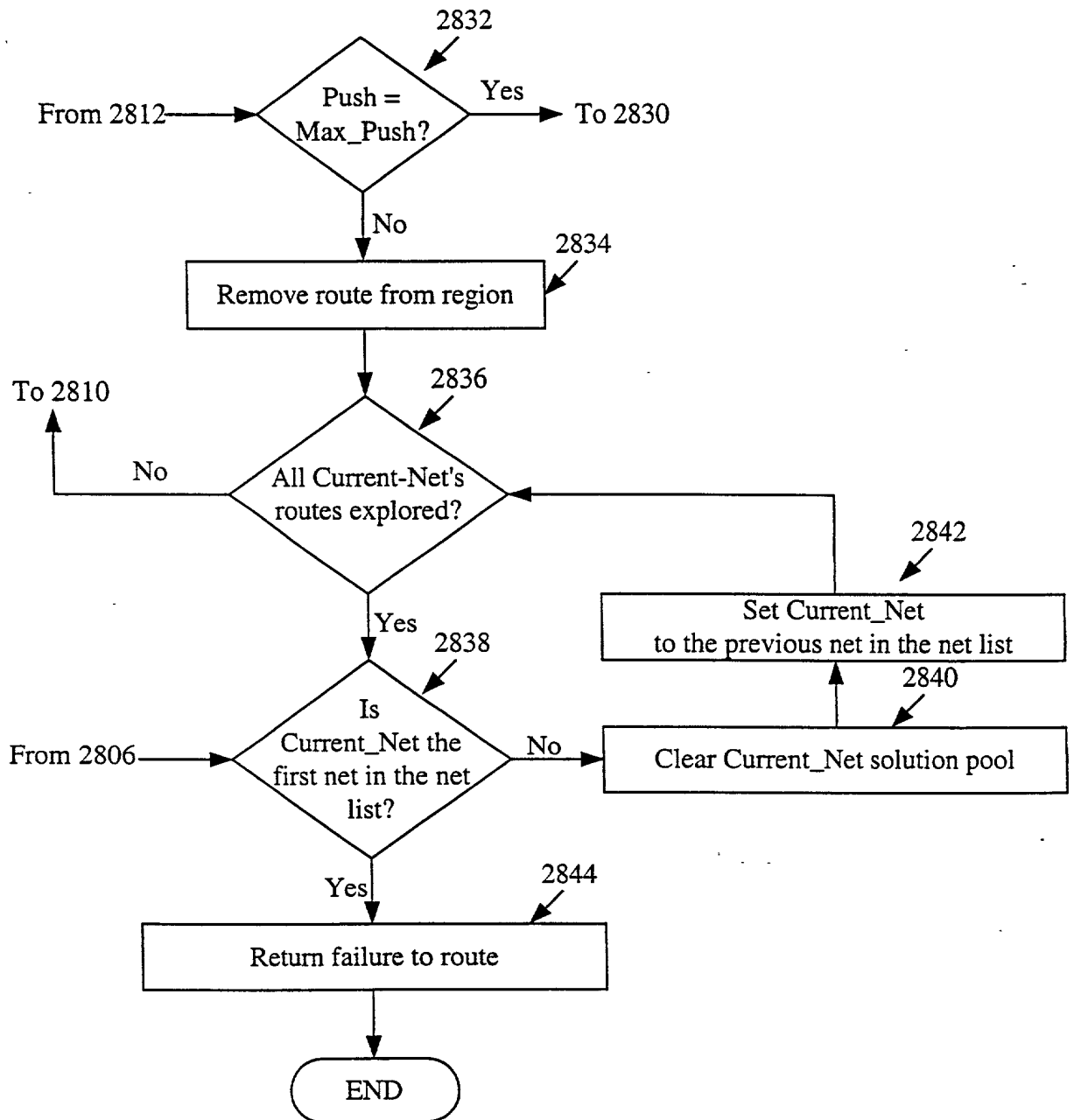


Figure 28C

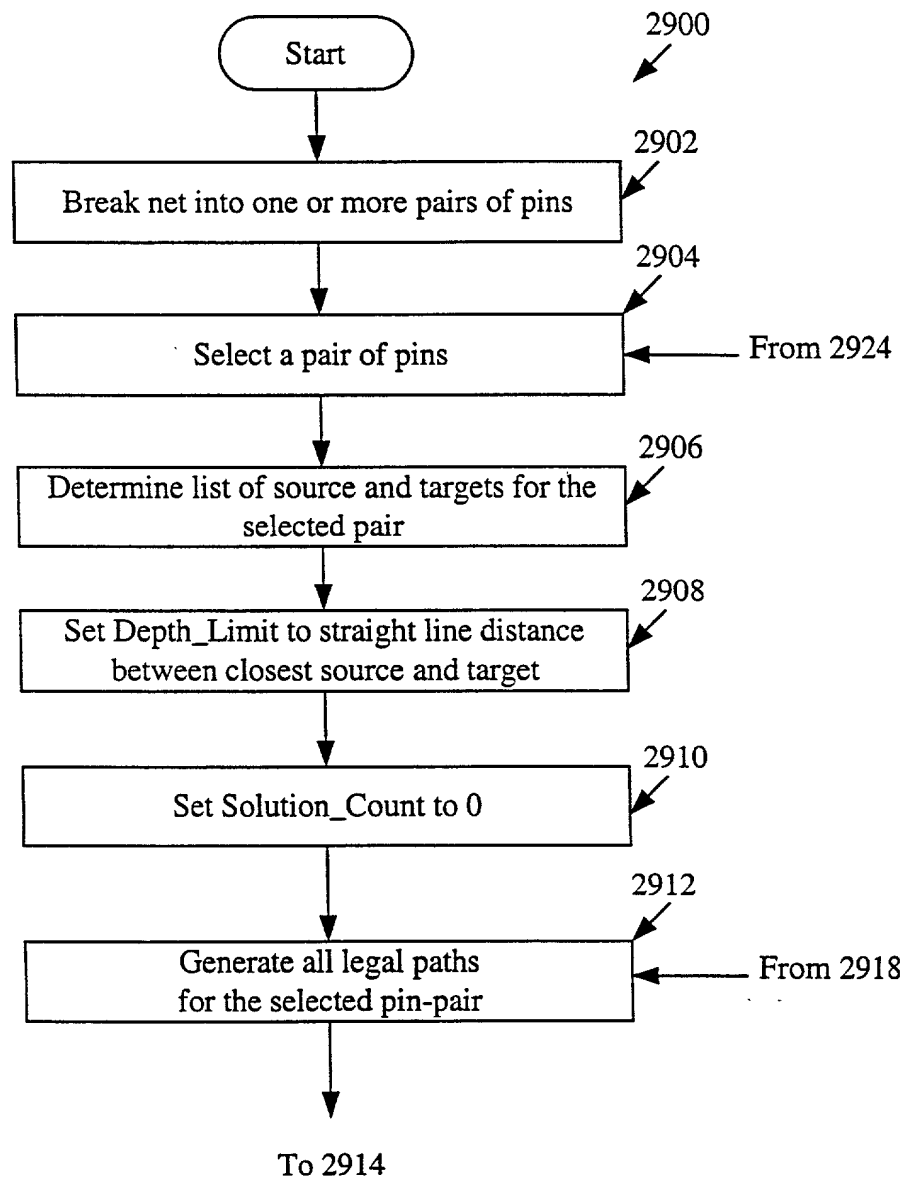


Figure 29A

Figure 29: $\frac{\text{Figure 29A}}{\text{Figure 29B}}$

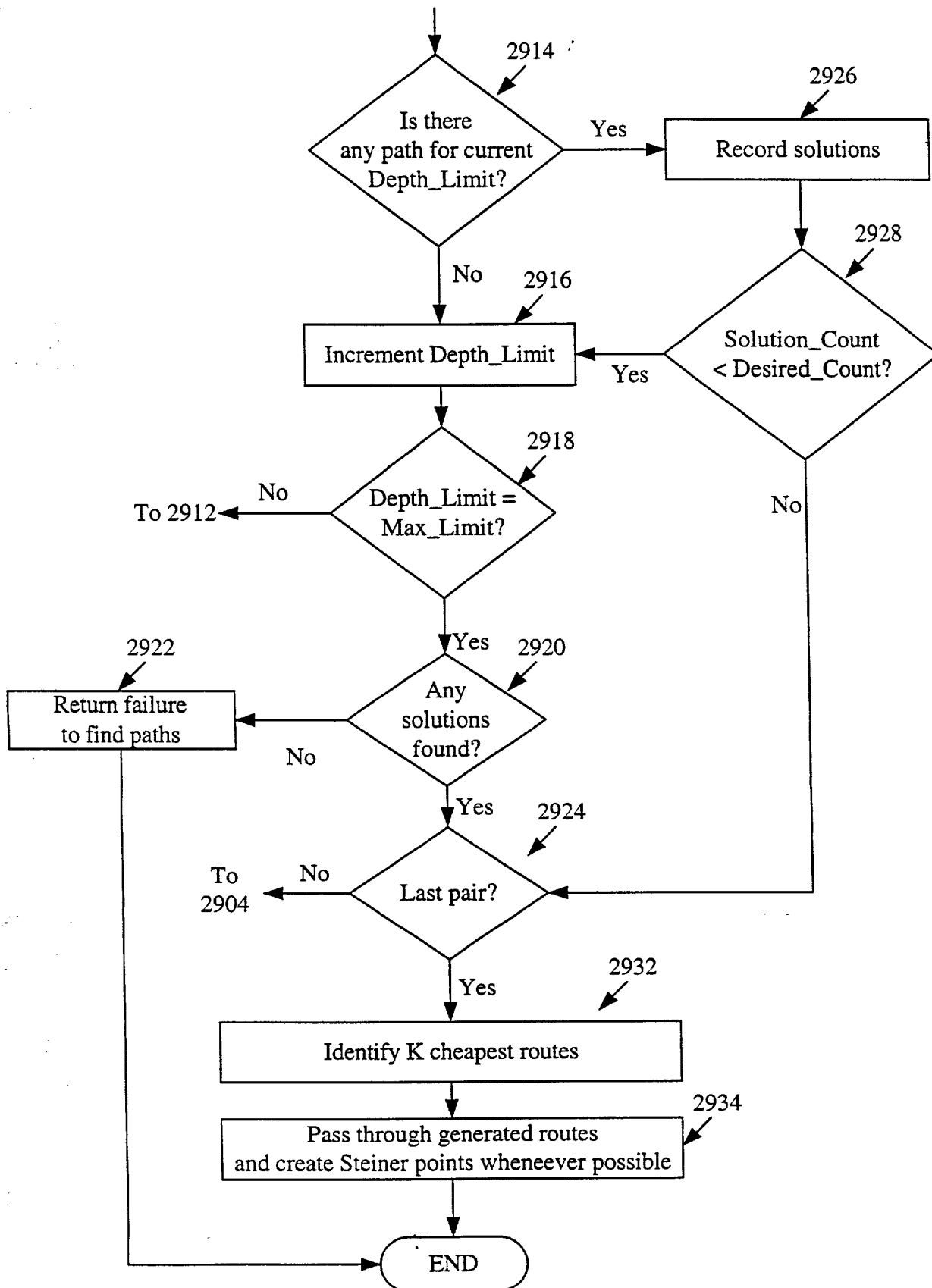


Figure 29B

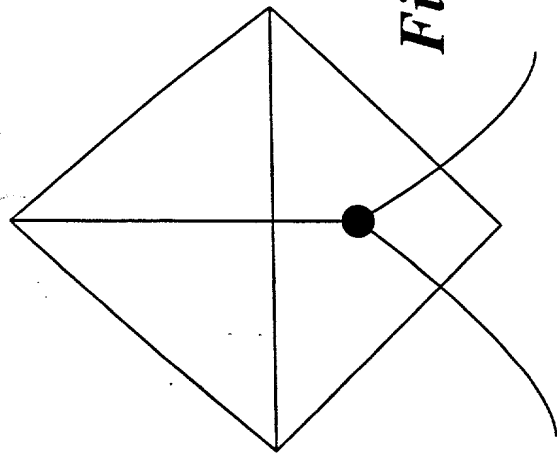
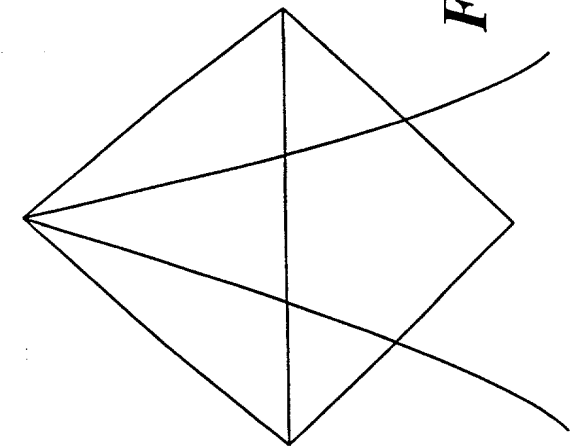


Figure 30B

Figure 30A

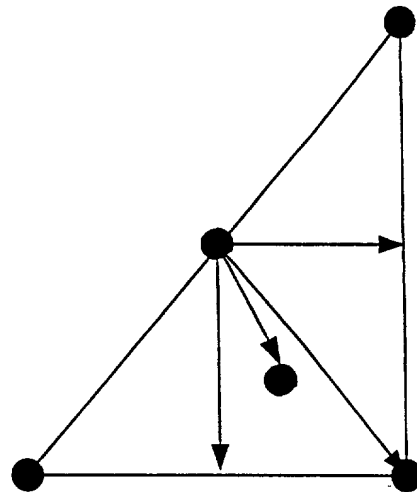


Figure 32

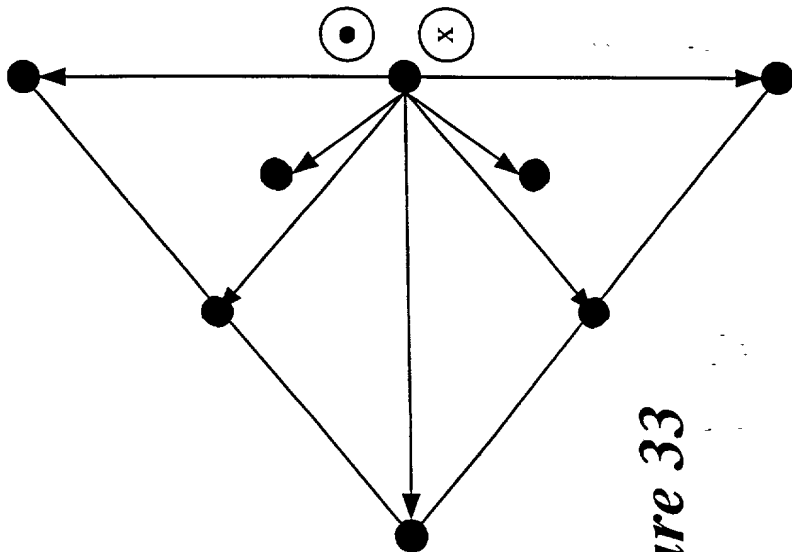


Figure 33

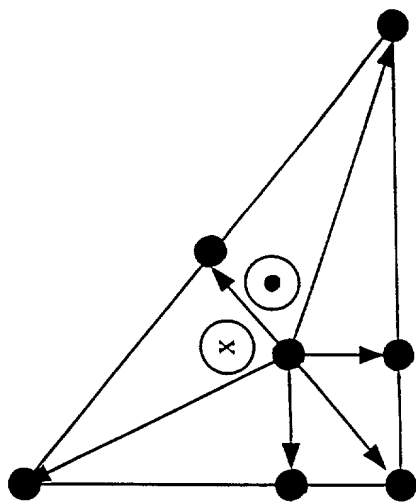


Figure 34

2025-10-14 09:00:01

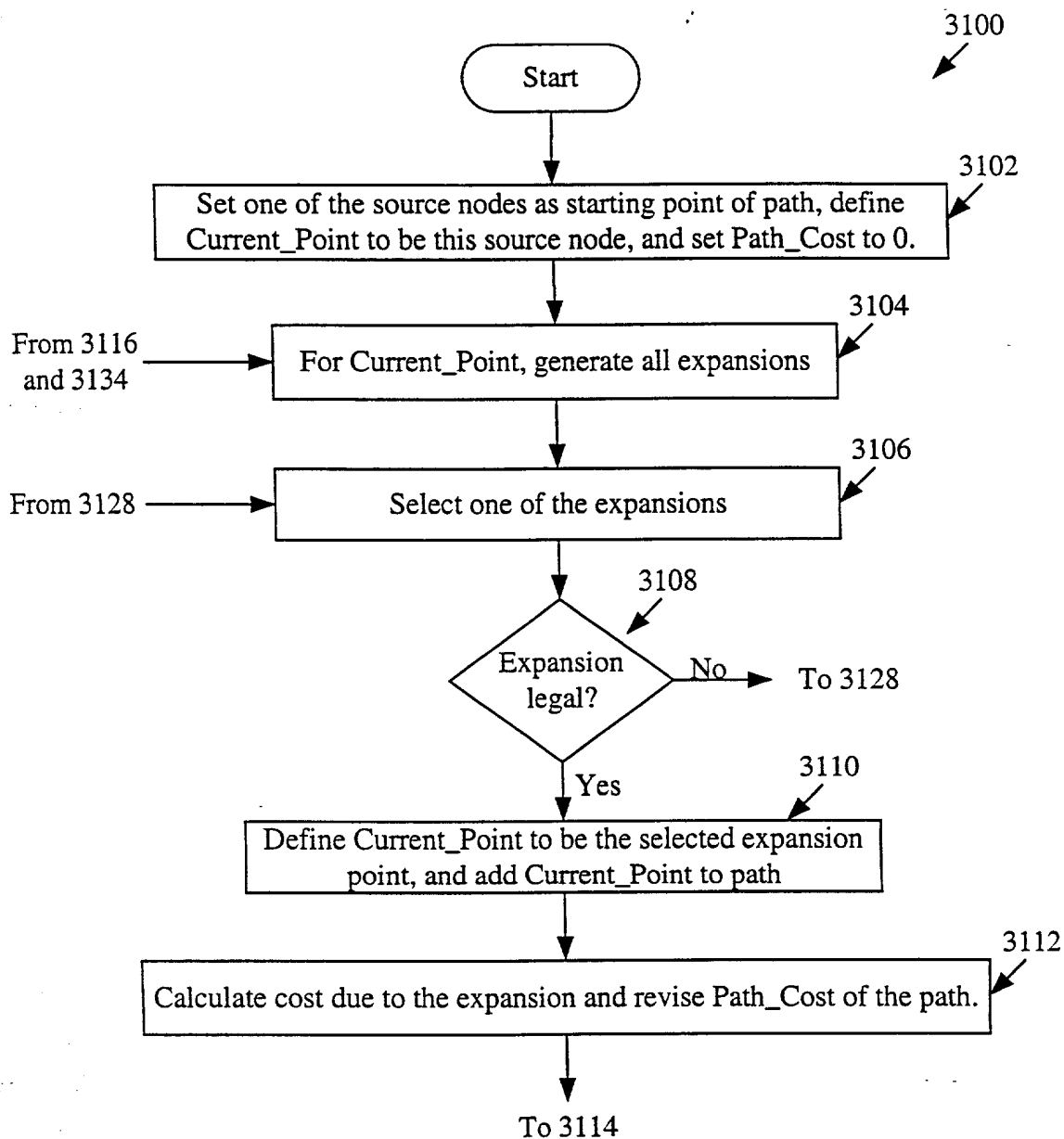


Figure 31A

Figure 31: $\frac{\text{Figure 31A}}{\text{Figure 31B}}$

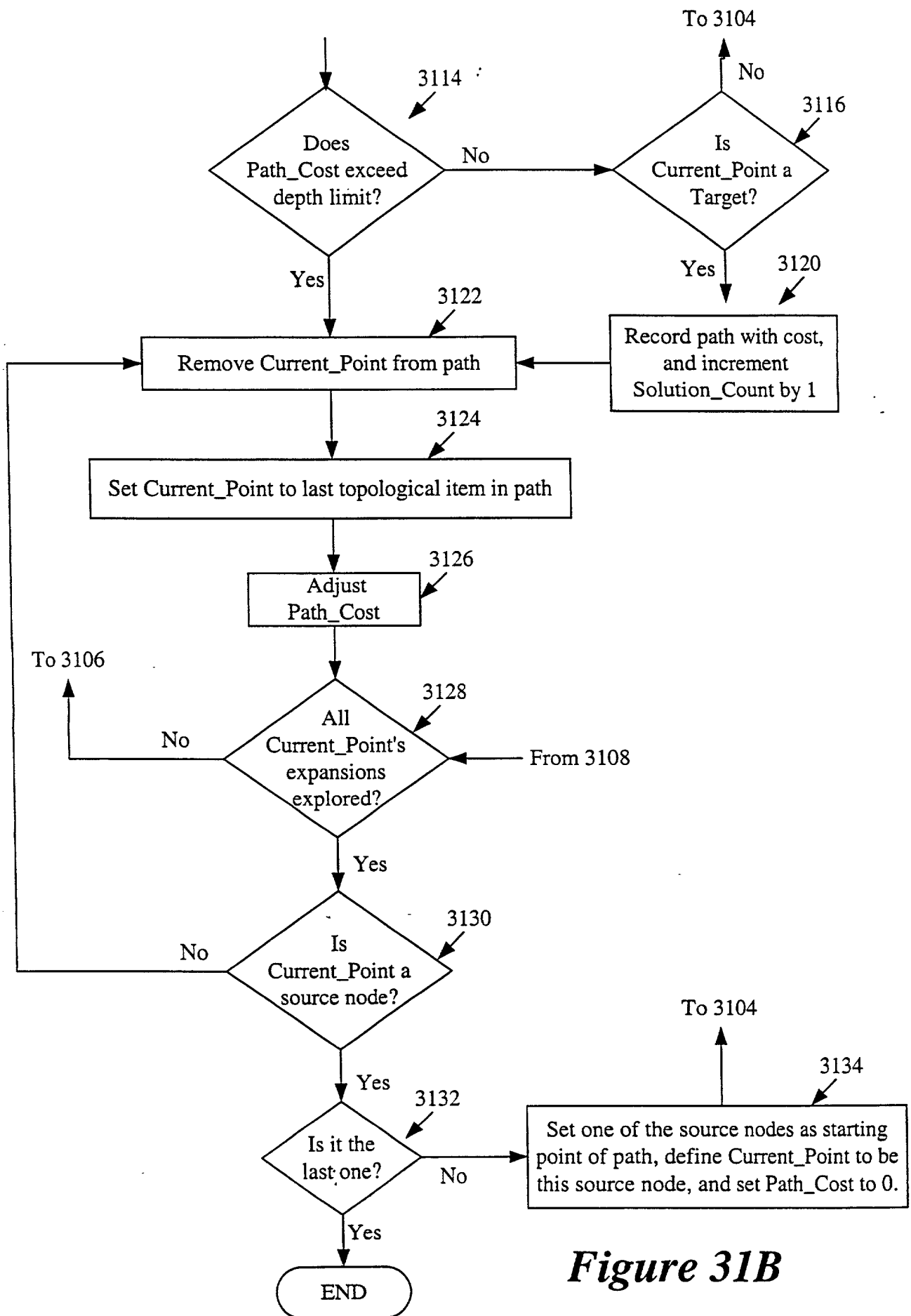


Figure 31B

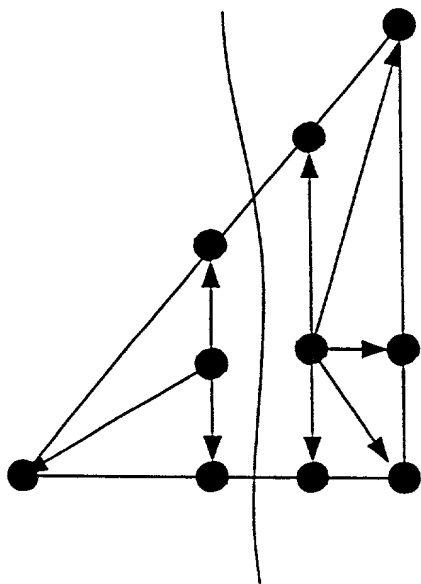


Figure 35

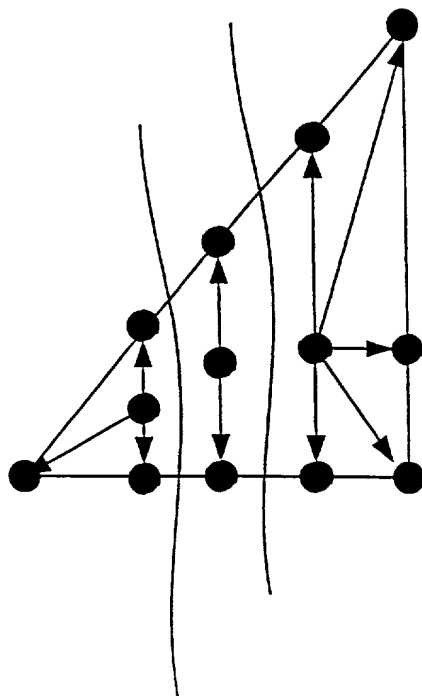


Figure 36

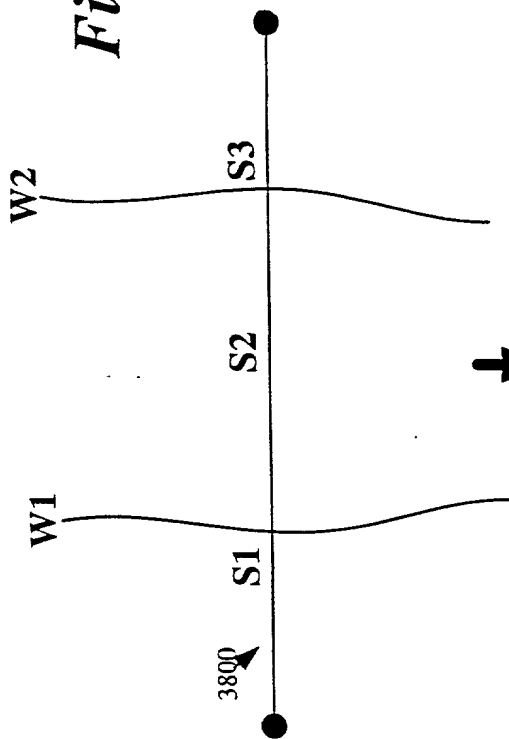


Figure 38A

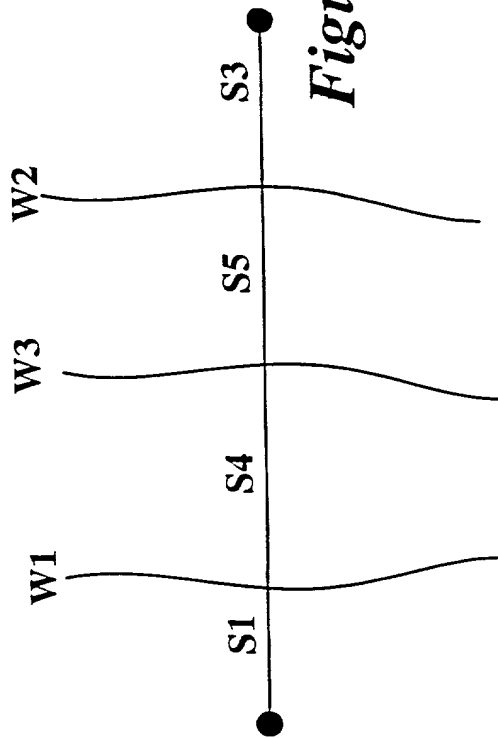


Figure 38B

To:		Node	Face Item	Edge Item
From:	Node	<ul style="list-style-type: none"> • Planarity • Vias 	<ul style="list-style-type: none"> • Vias 	<ul style="list-style-type: none"> • Planarity • Vias • Edge • Capacity
	Face Item	<ul style="list-style-type: none"> • Vias 	<ul style="list-style-type: none"> • Vias 	<ul style="list-style-type: none"> • Vias • Edge • Capacity
	Edge Item	<ul style="list-style-type: none"> • Planarity • Vias 	<ul style="list-style-type: none"> • Vias 	<ul style="list-style-type: none"> • Planarity • Vias • Edge • Capacity

Figure 37

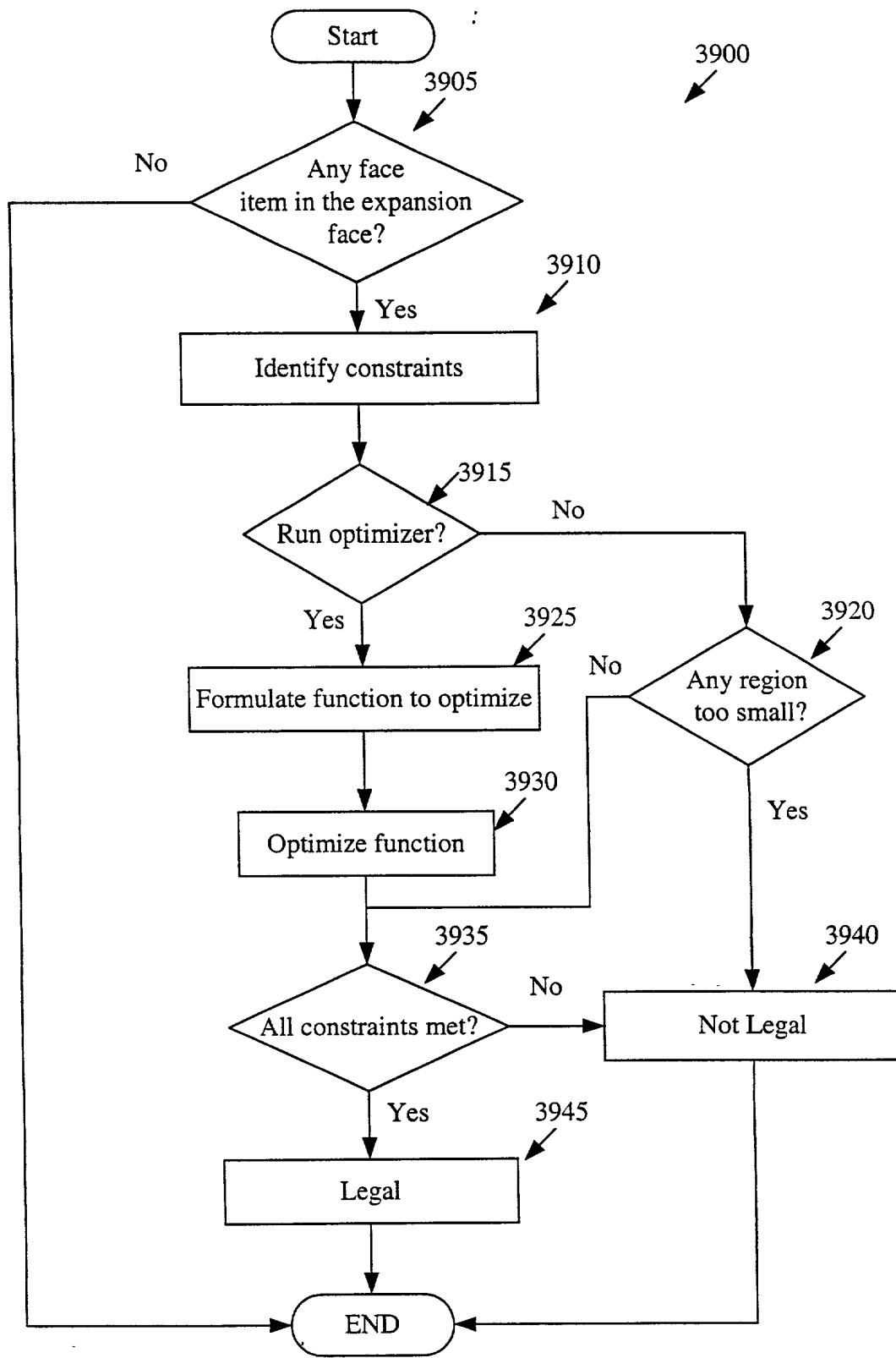


Figure 39A

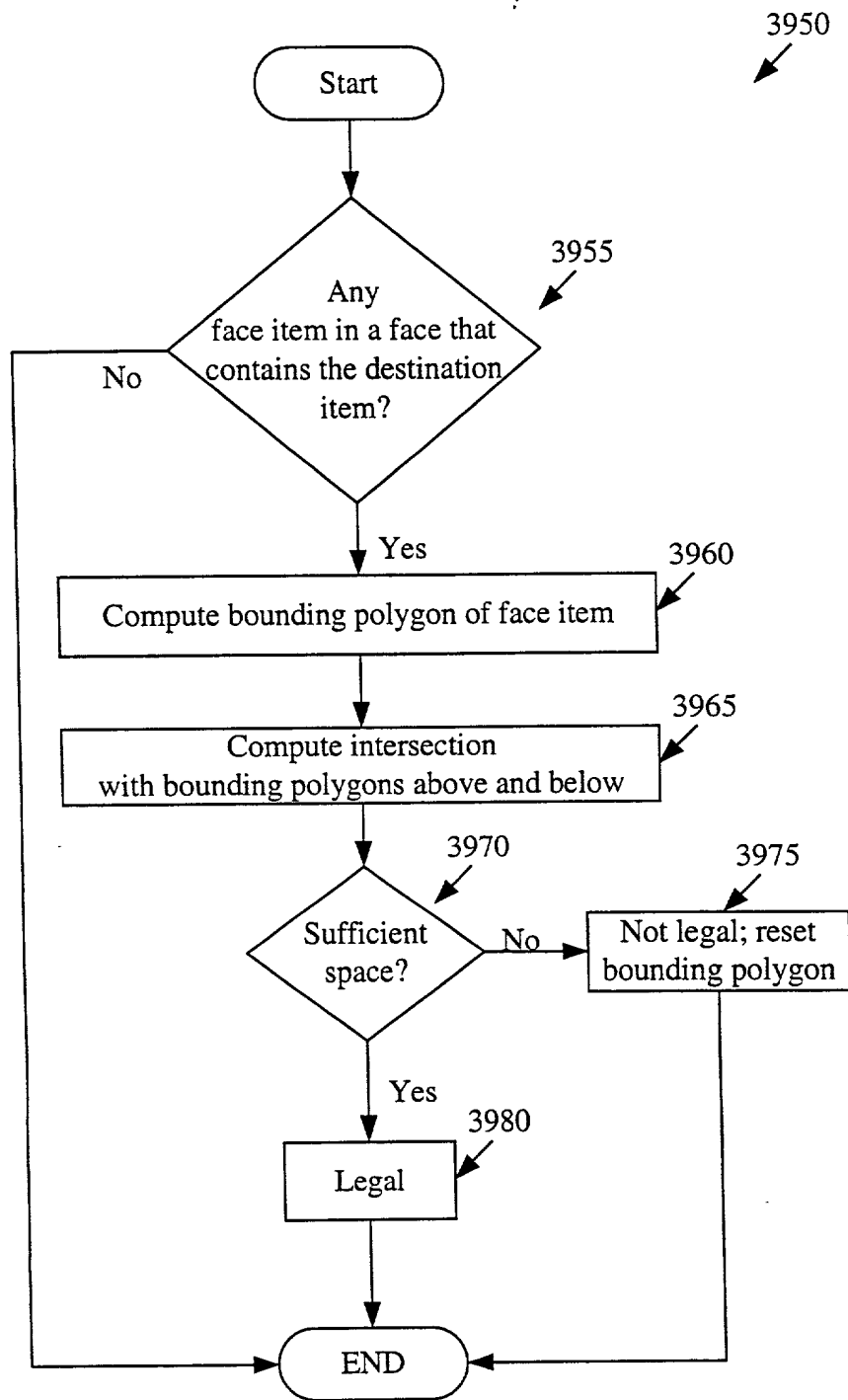


Figure 39B

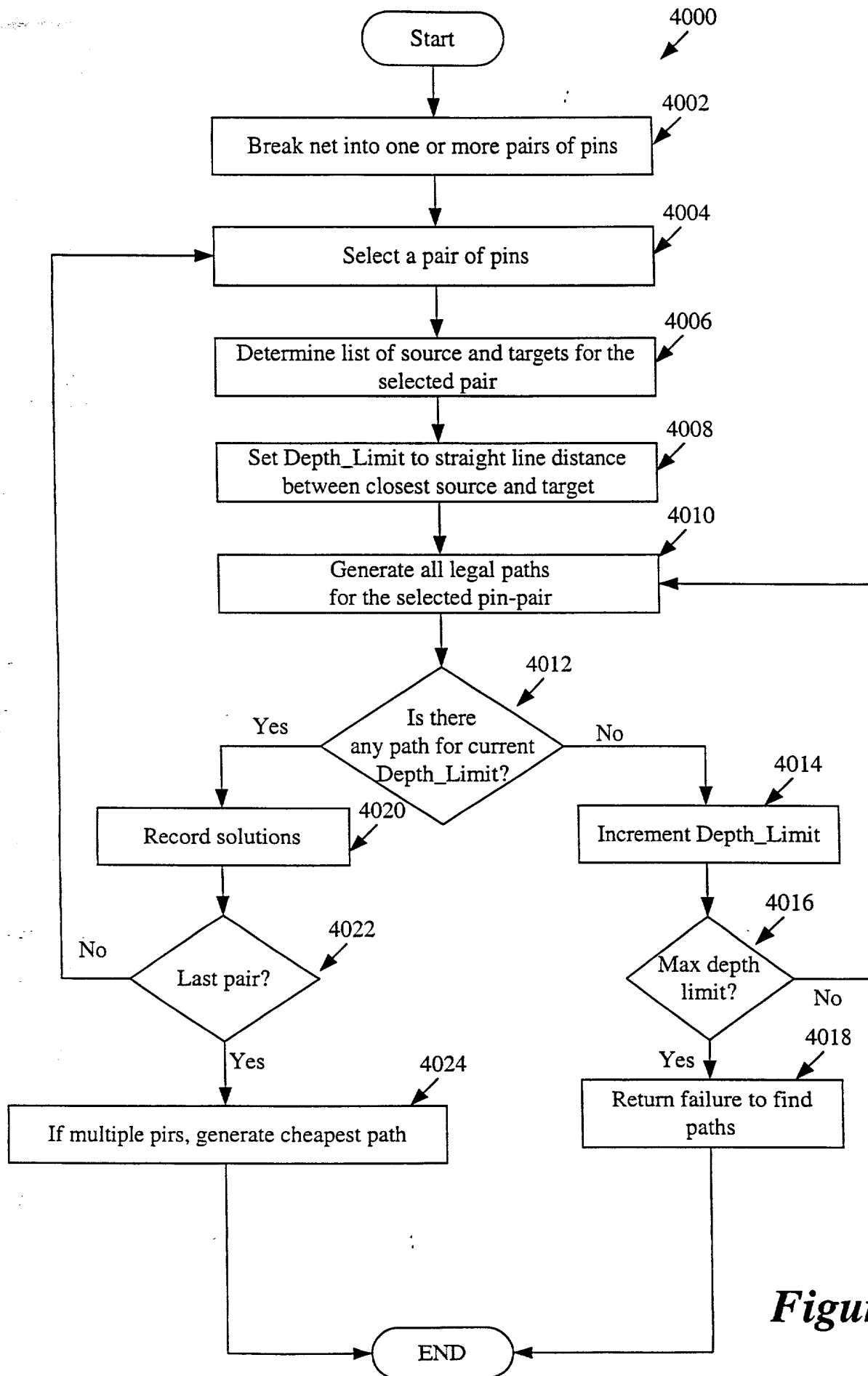


Figure 40

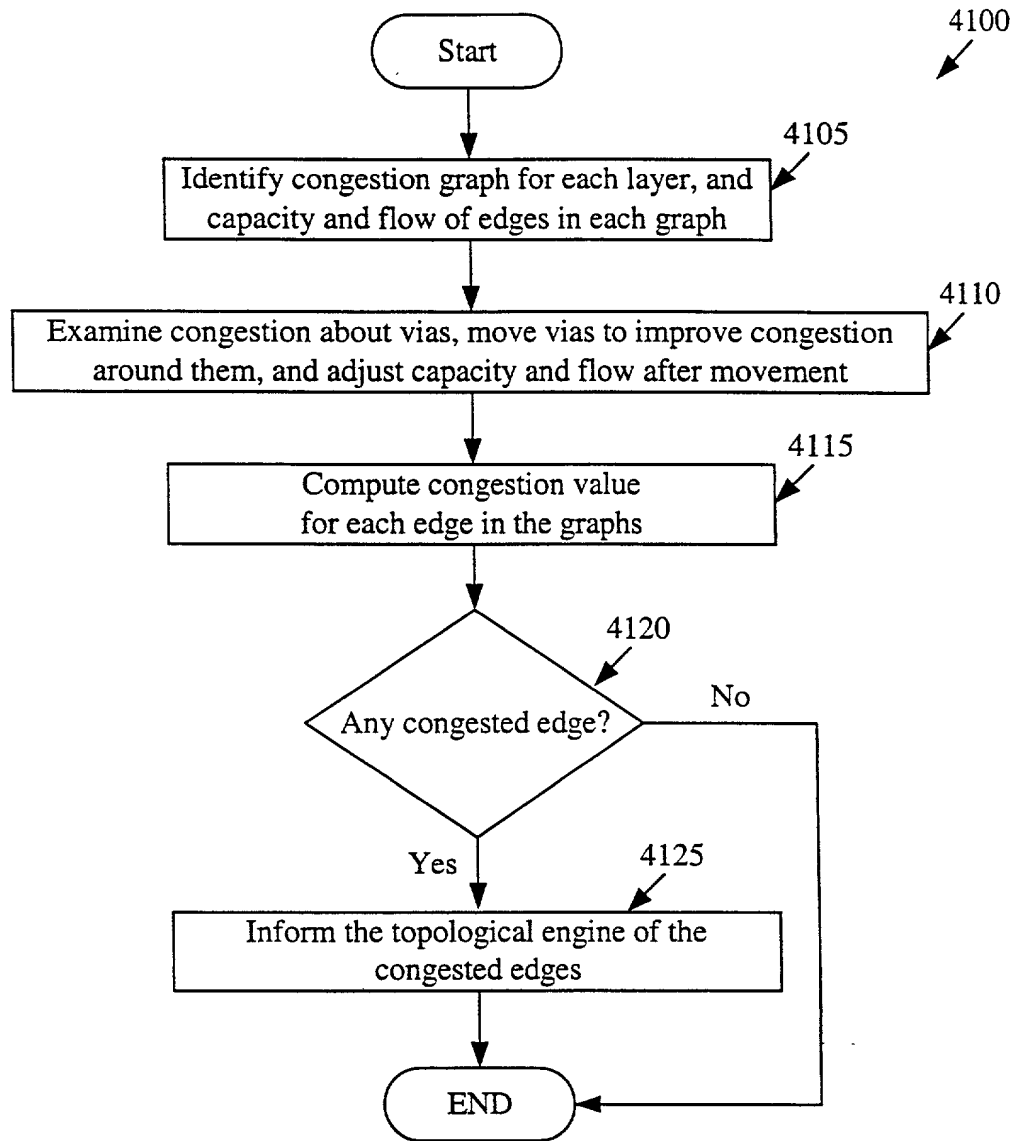


Figure 41

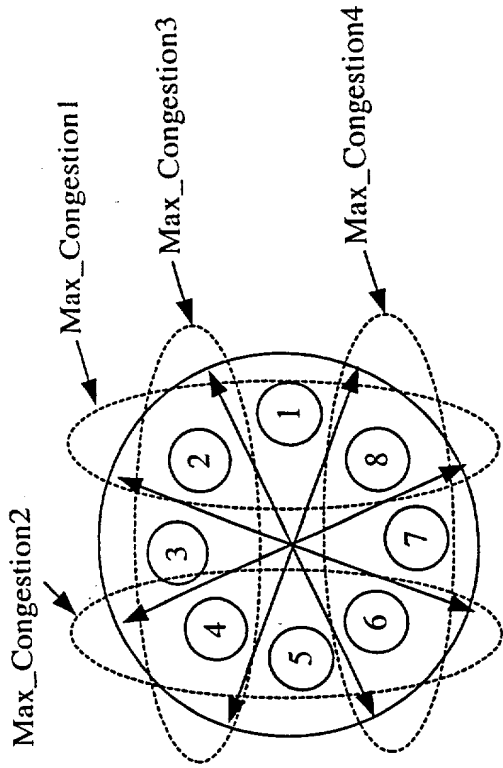


Figure 42

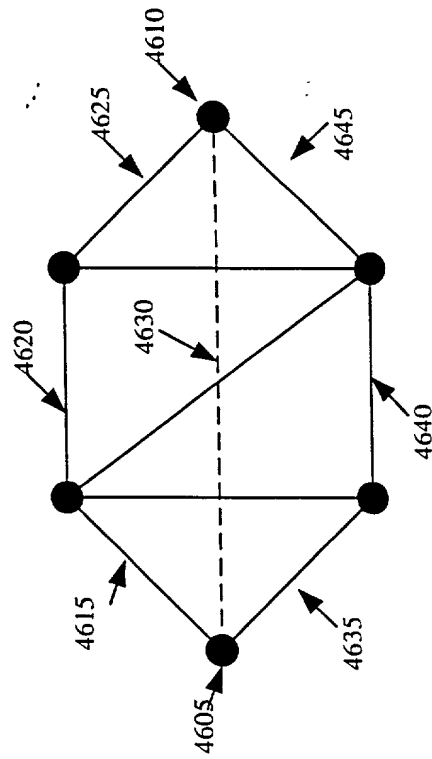


Figure 44

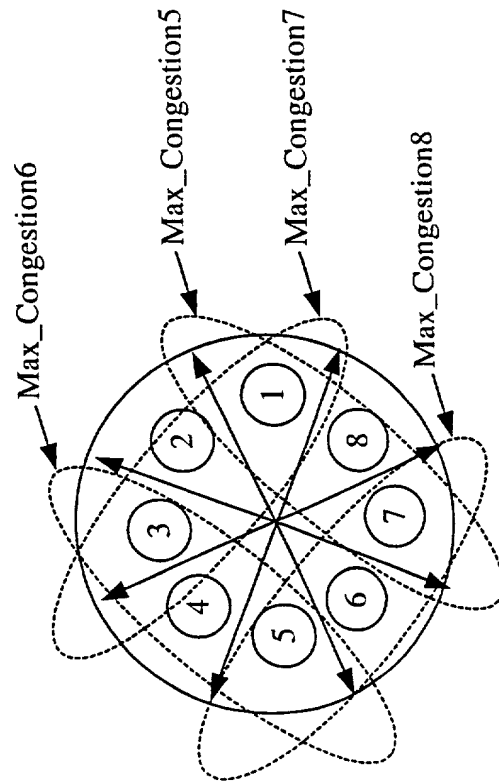
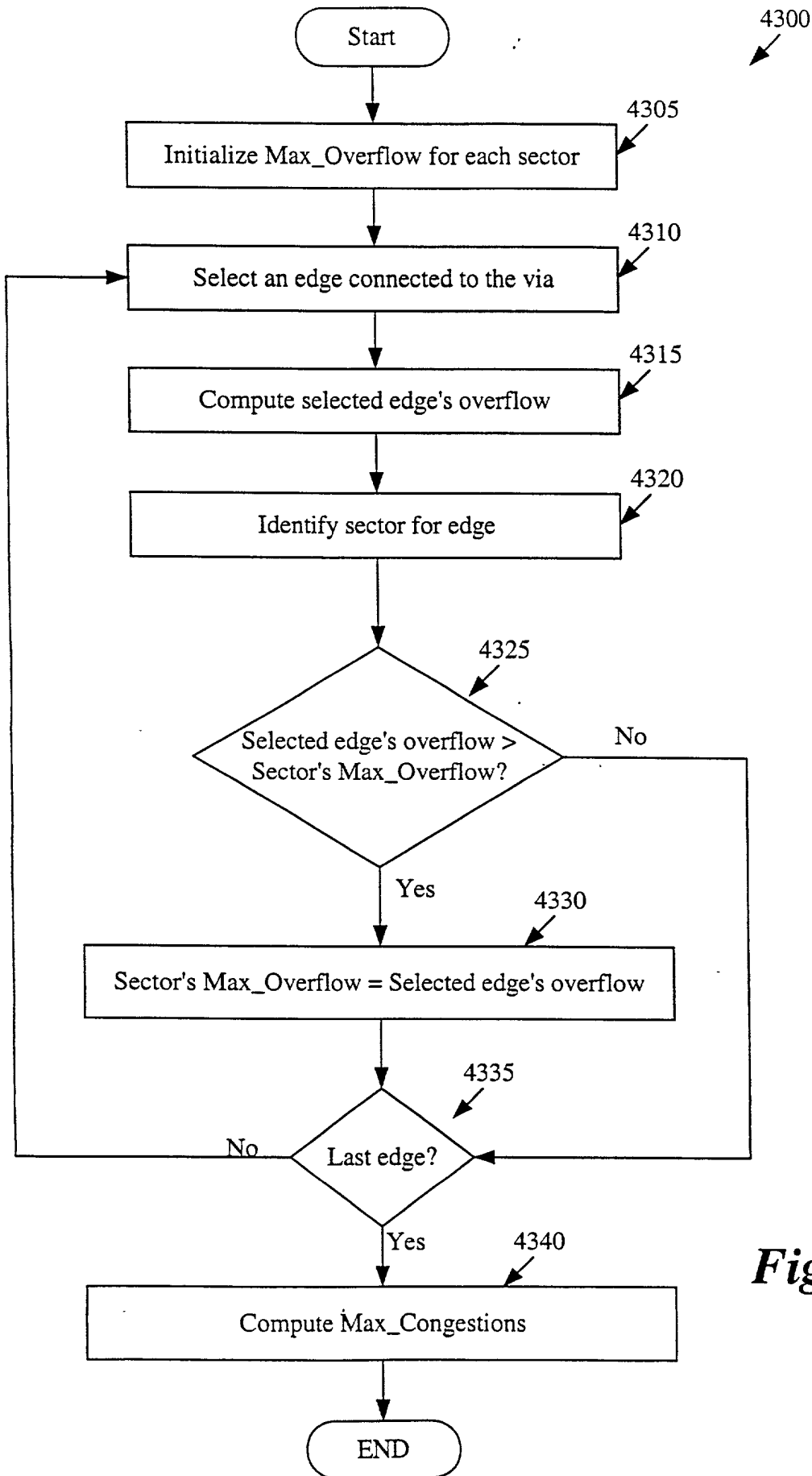


Figure 45

Figure 46



A hand-drawn diagram of a building layout. It features a large, irregular polygon with a complex shape, including a small square cutout on the left side. The polygon is labeled with '4710' and '4705' with arrows pointing to specific edges. To the right of the polygon is a separate square. The entire diagram is enclosed in a rectangular frame.

FIGURE 47

2025 RELEASE UNDER E.O. 14176

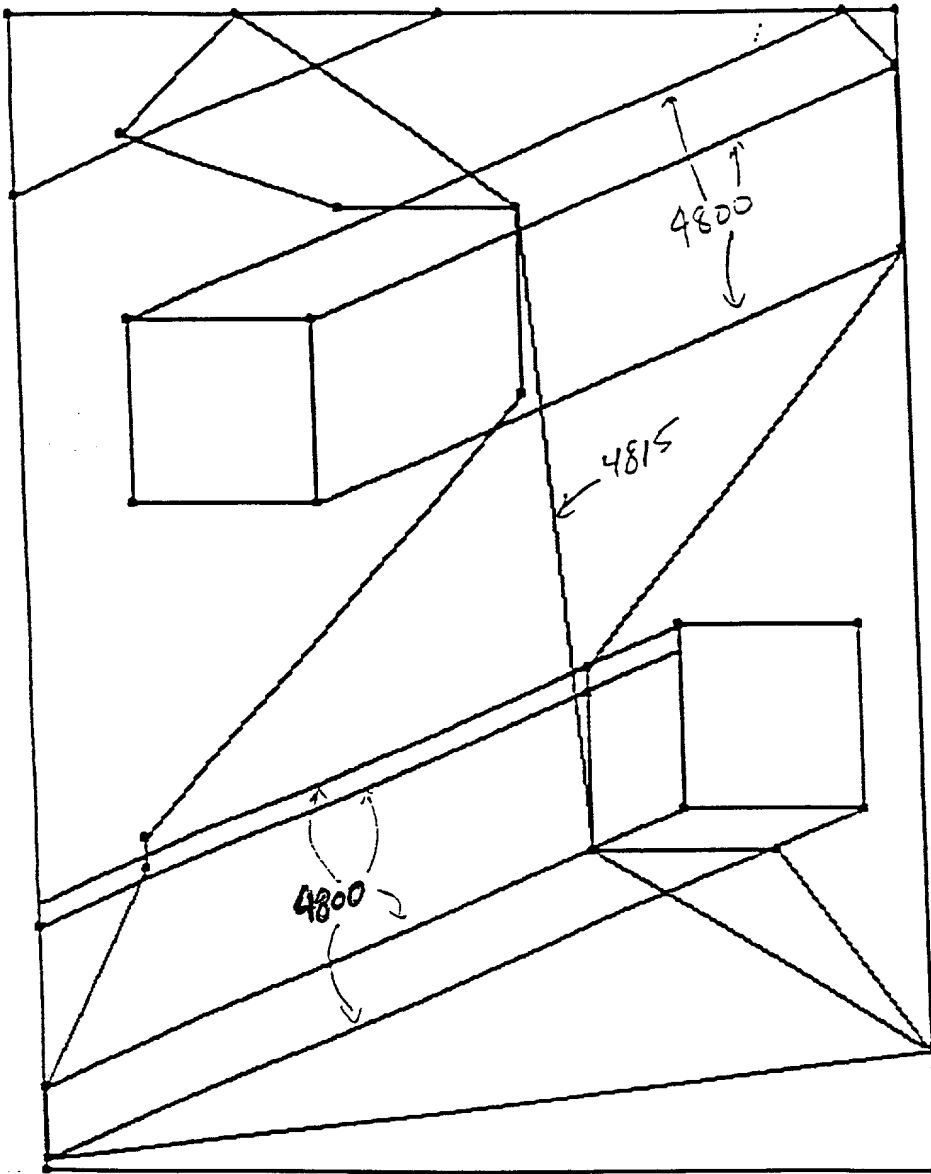


FIGURE 48A

REF ID: A66004

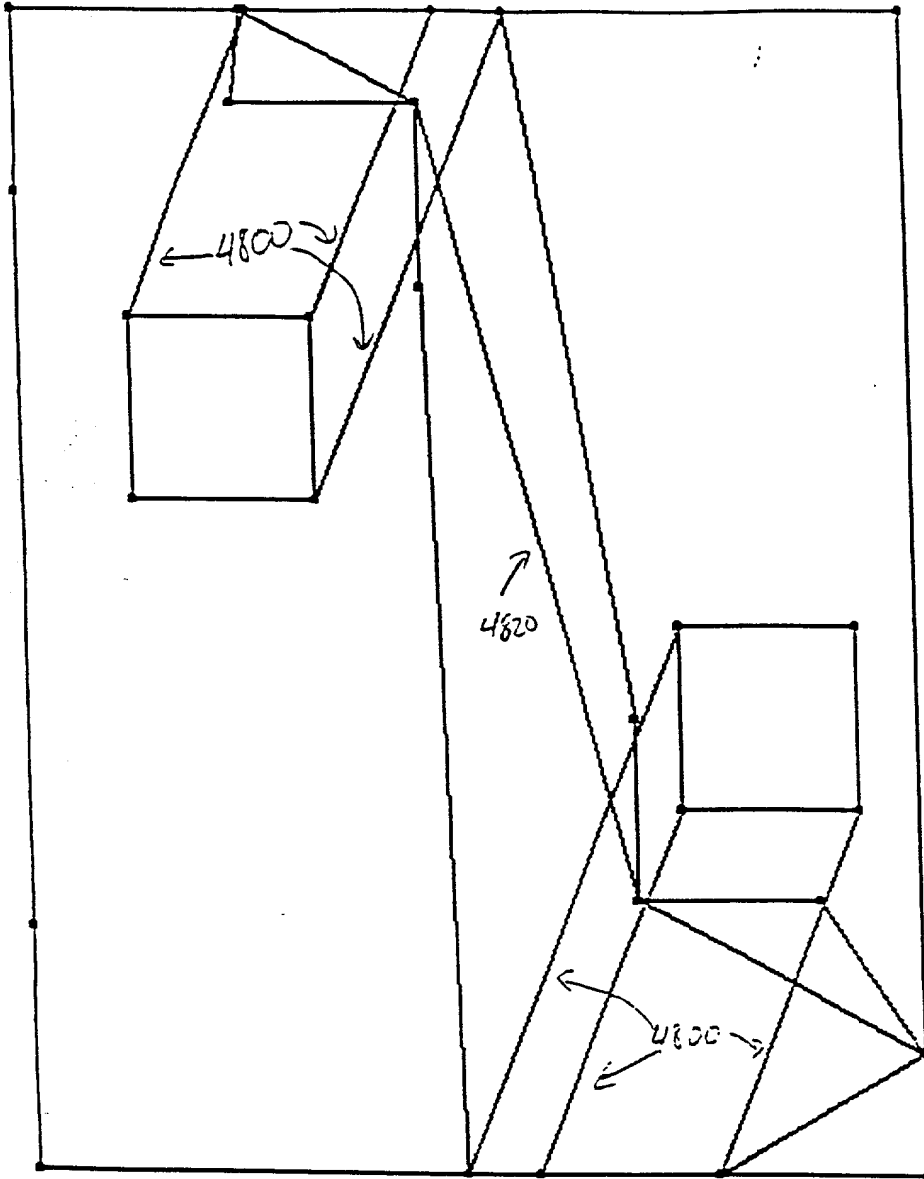


FIGURE 48B

FIGURE 48C

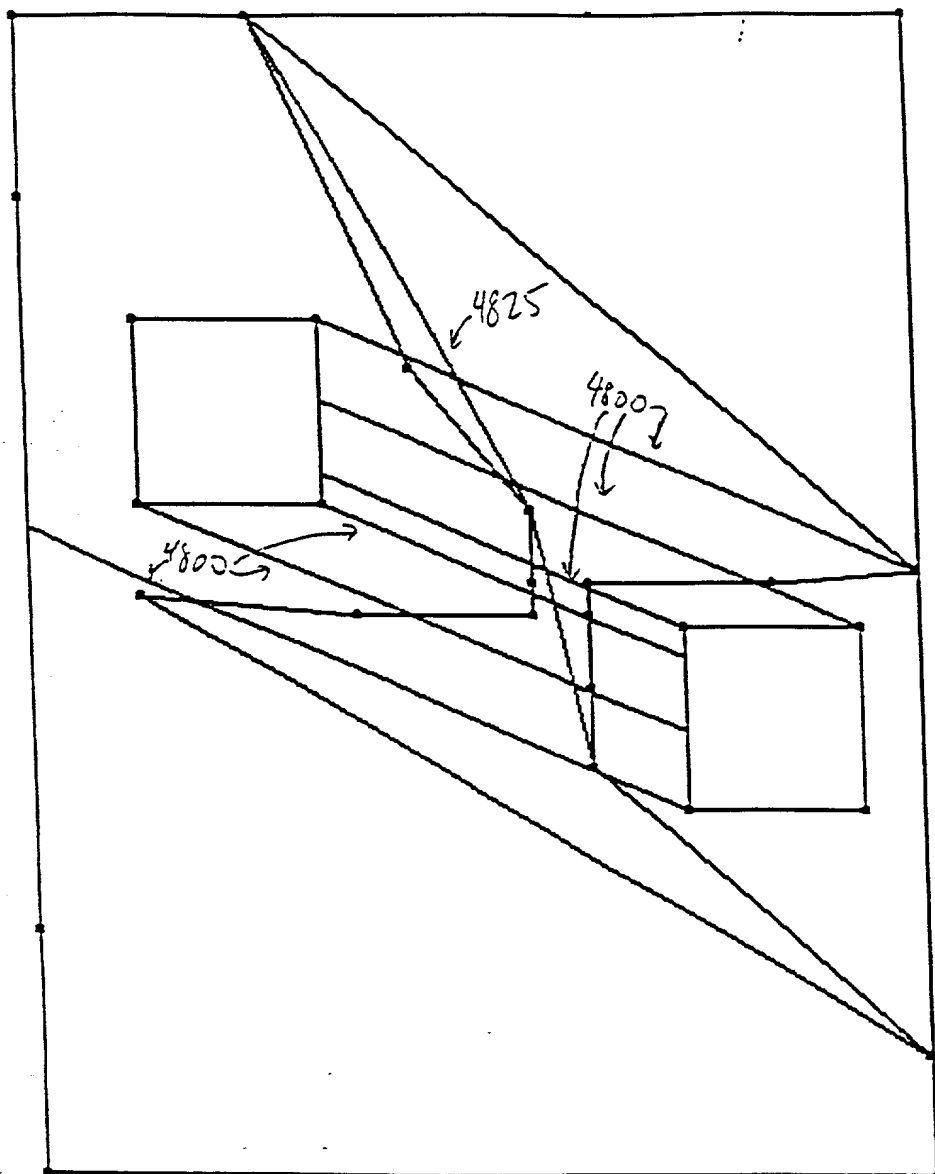


FIGURE 48C

FIG. 48D

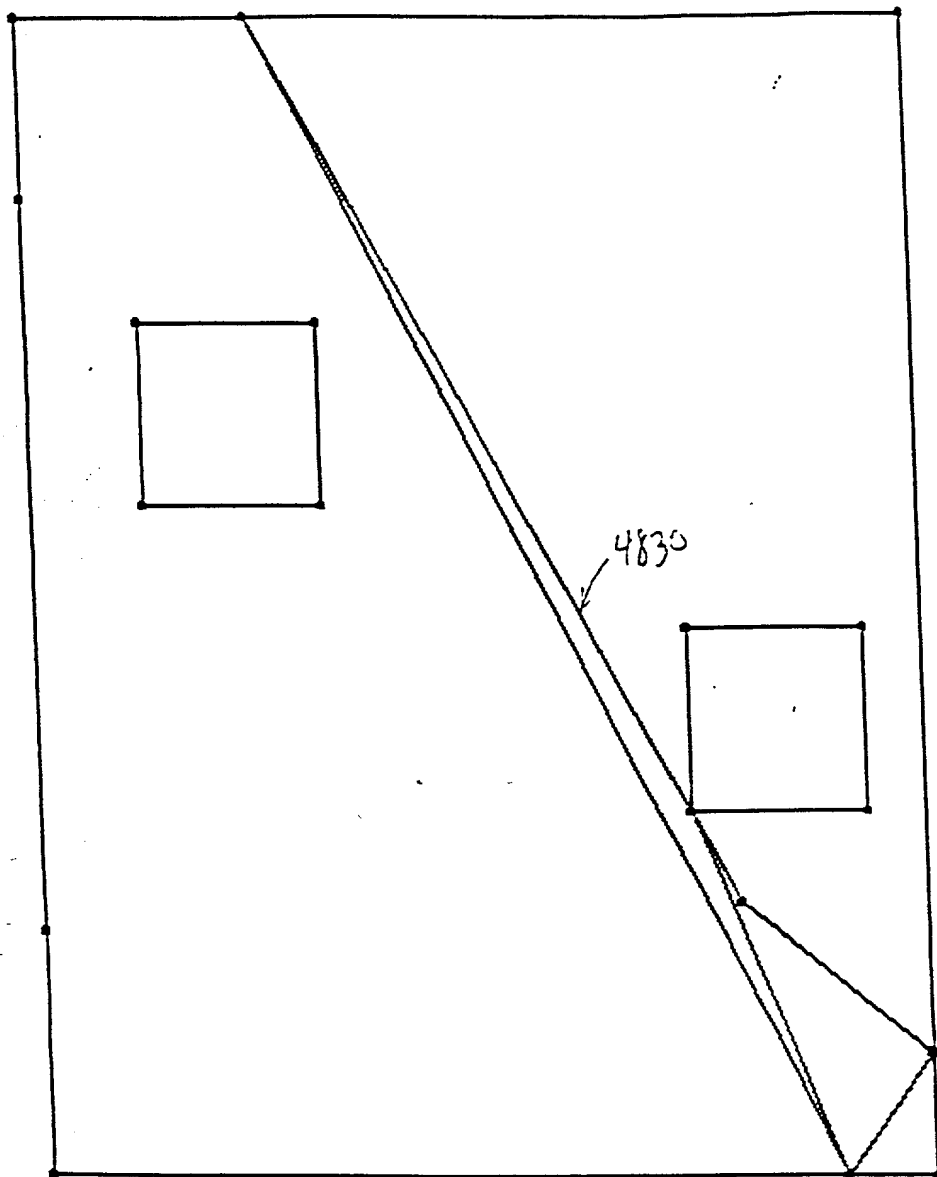


FIGURE 48D



Figure 49A

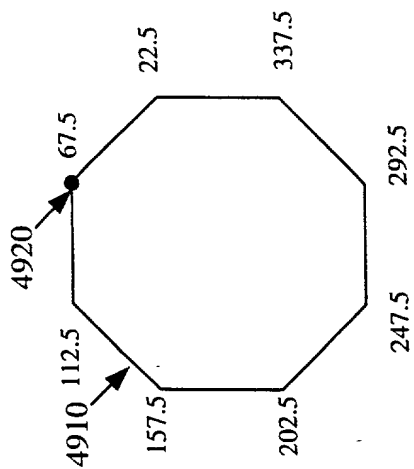


Figure 49B

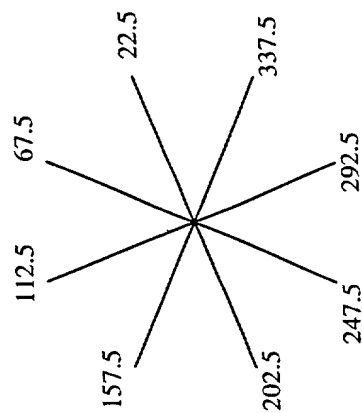


Figure 49C

2025 RELEASE UNDER E.O. 14176

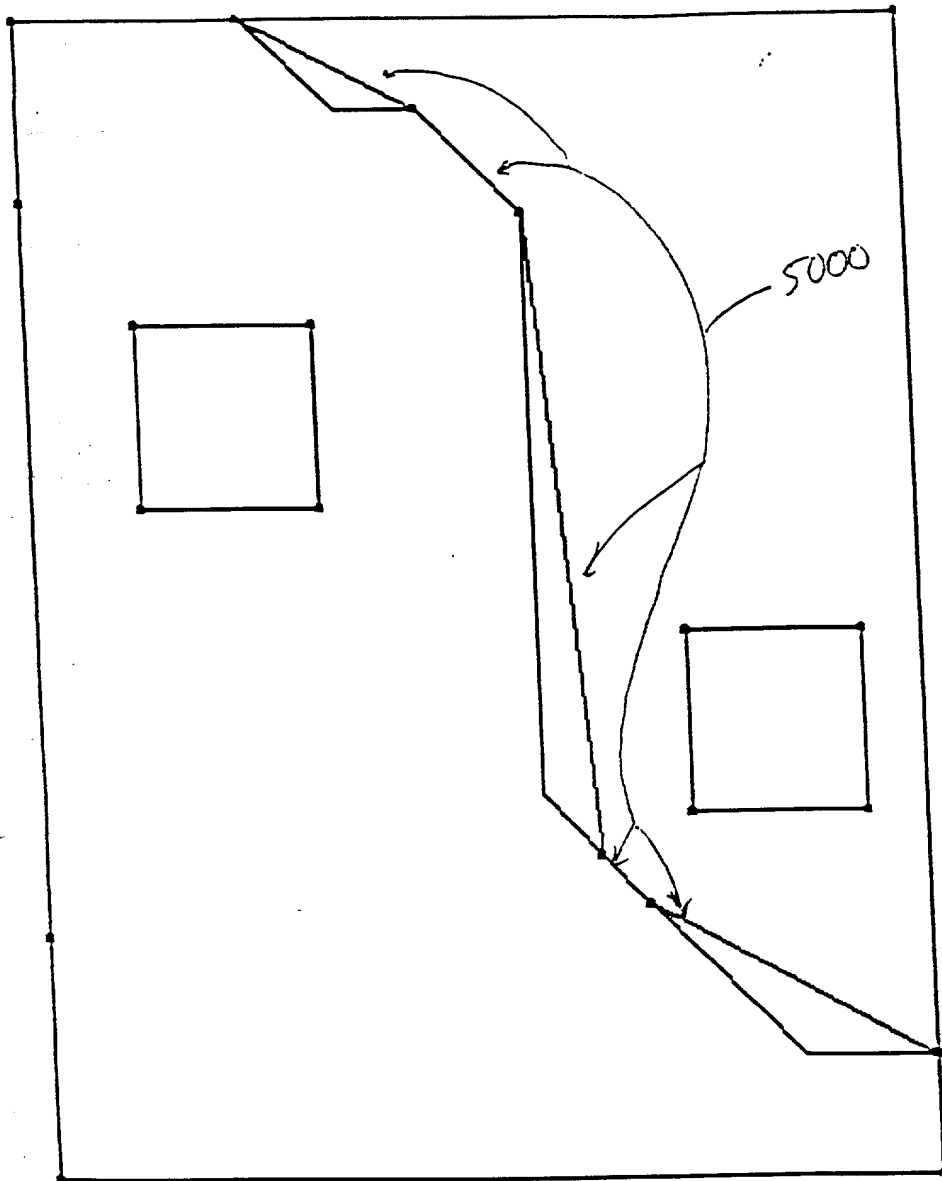


FIGURE 50

[illegible]

FIGURE 52

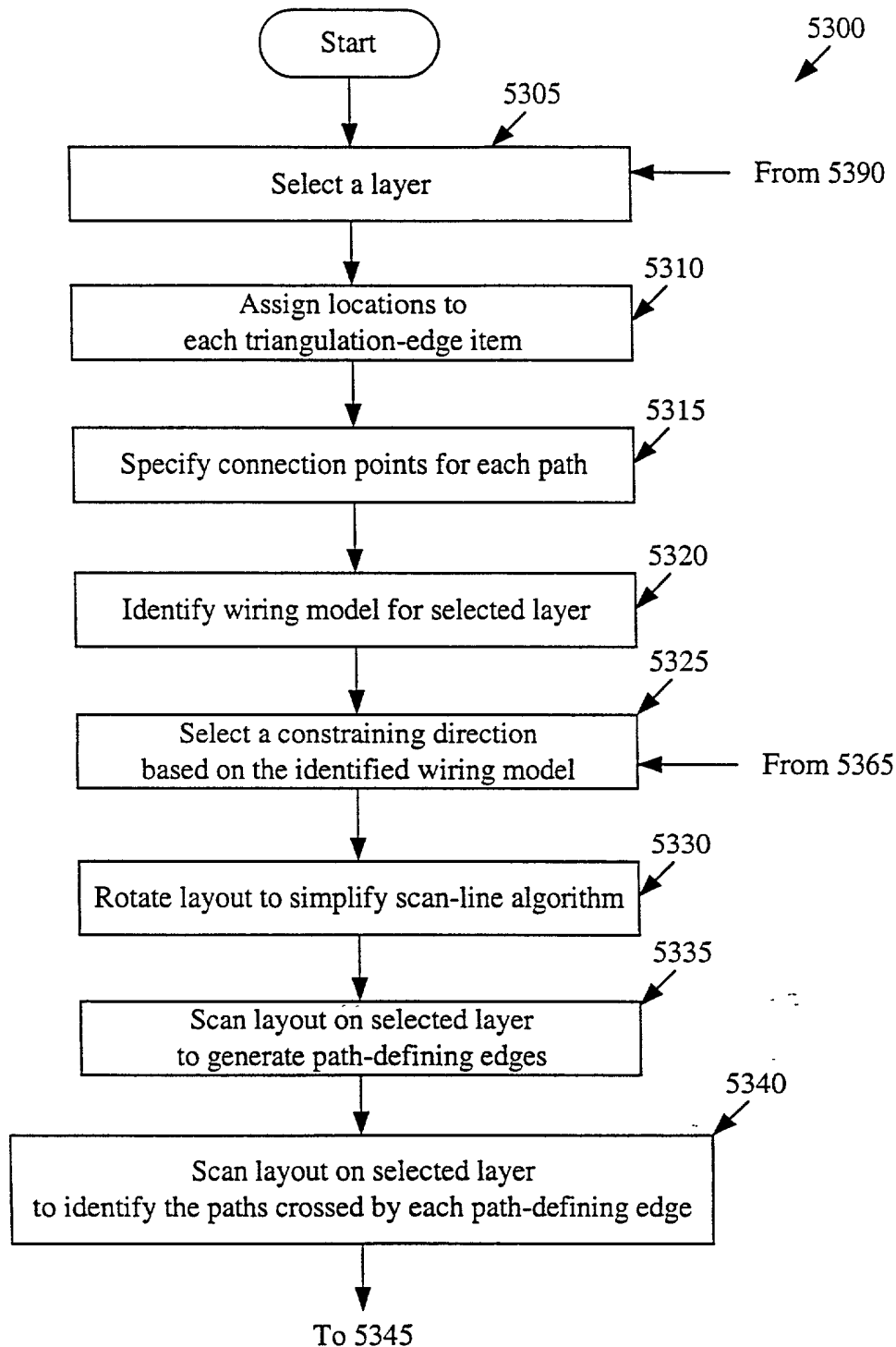


Figure 53

Figure 53: Figure 53A
Figure 53B

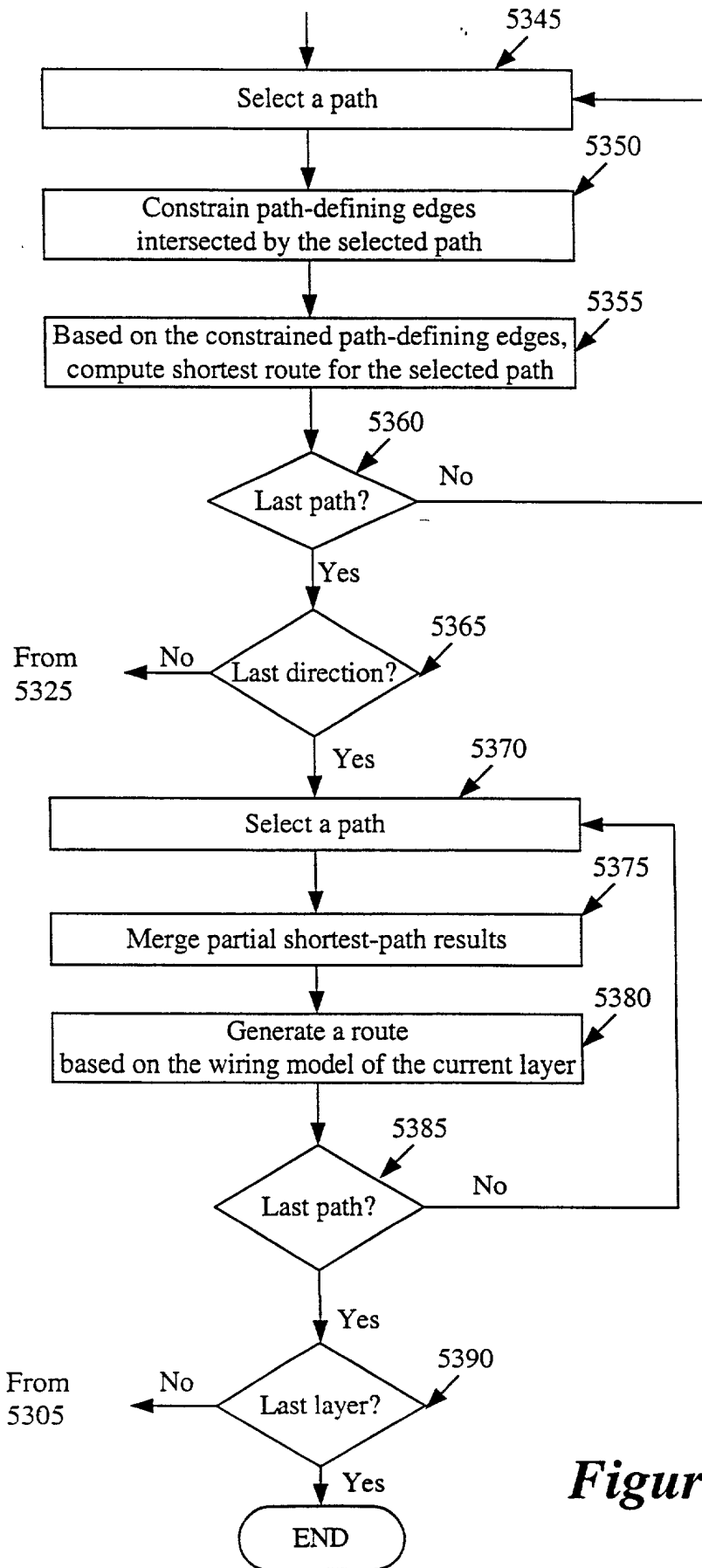


Figure 53B

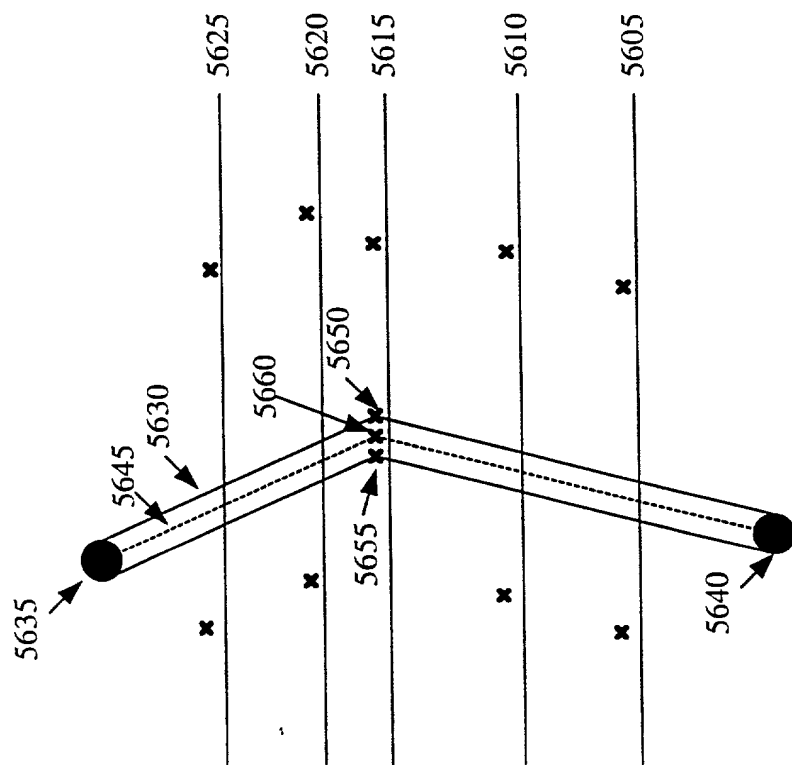
[illegible]

Figure 56

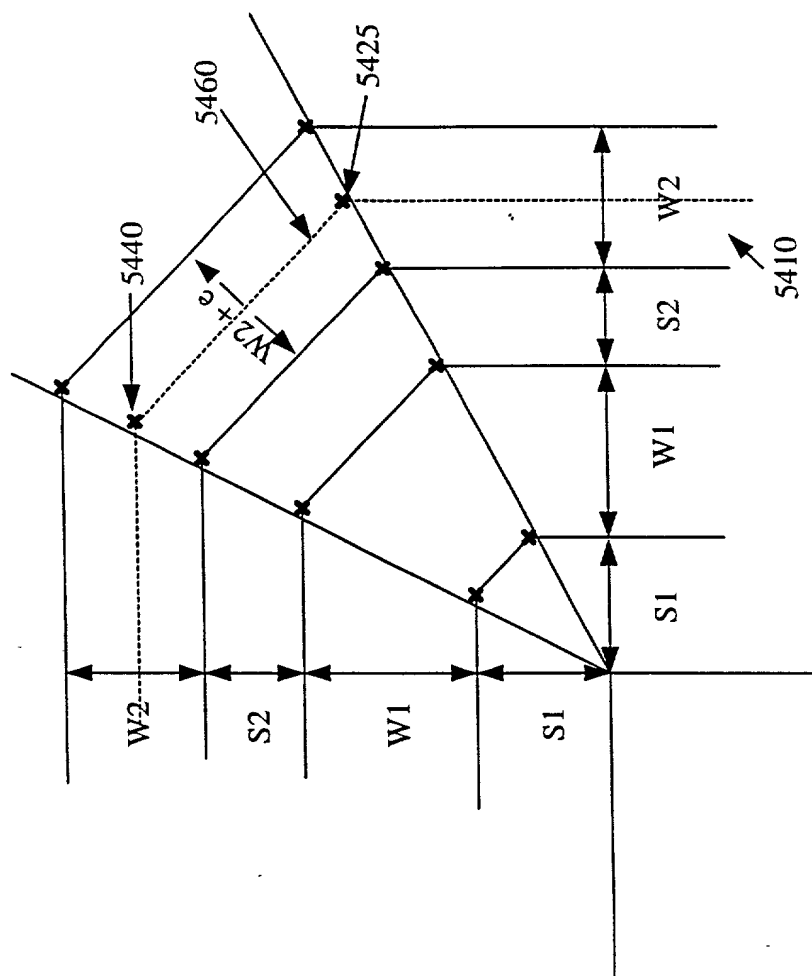


Figure 57

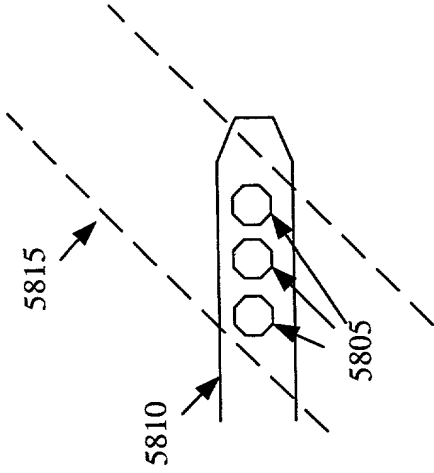


Figure 58

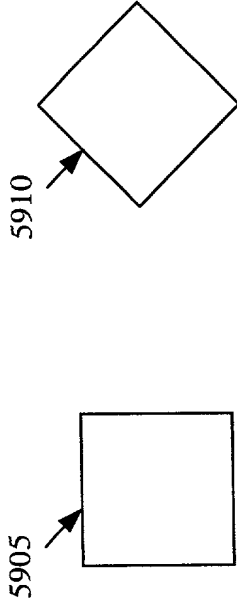


Figure 59

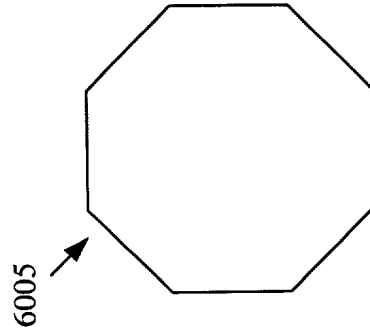


Figure 60

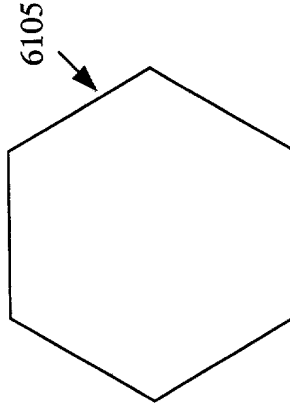


Figure 61

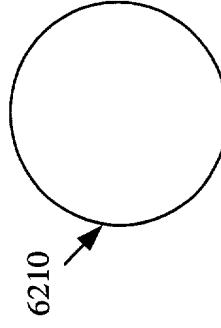


Figure 62

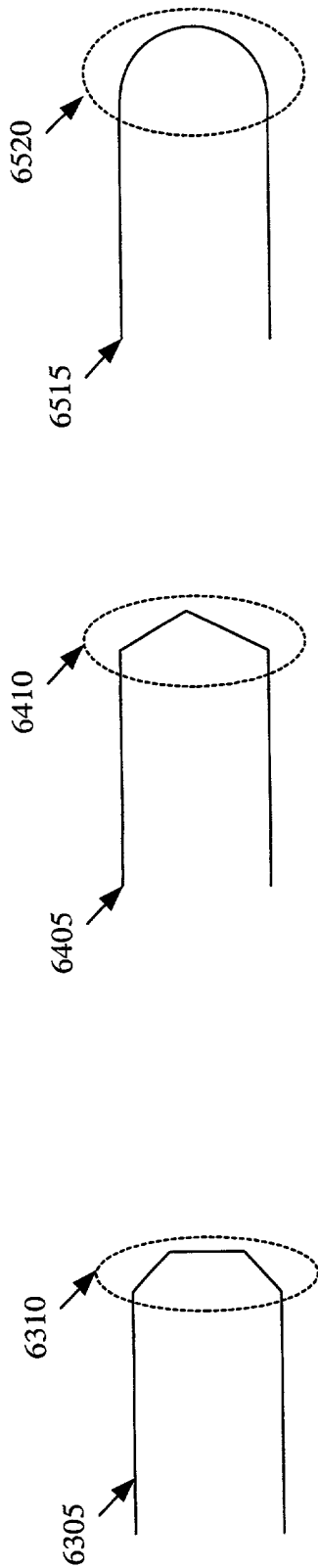
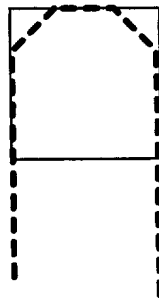


Figure 63

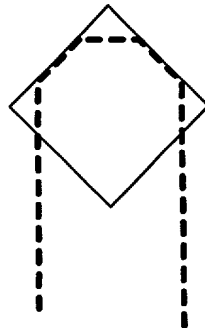
Figure 64

Figure 65

(1)



(2)



(3)

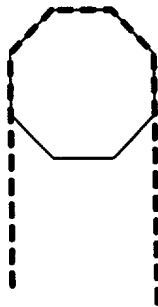
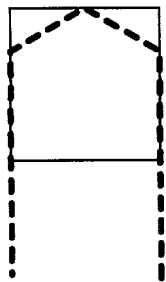


Figure 66

(1)



(2)

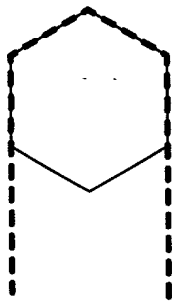


Figure 67

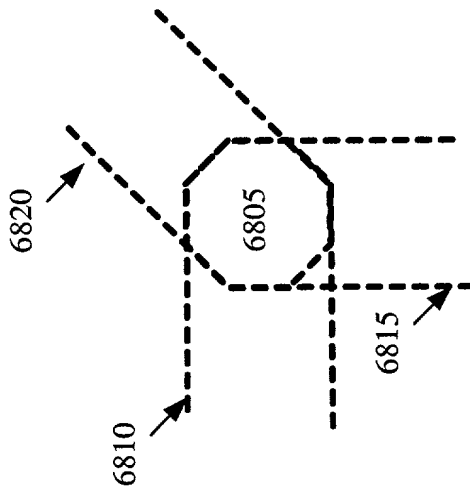


Figure 68

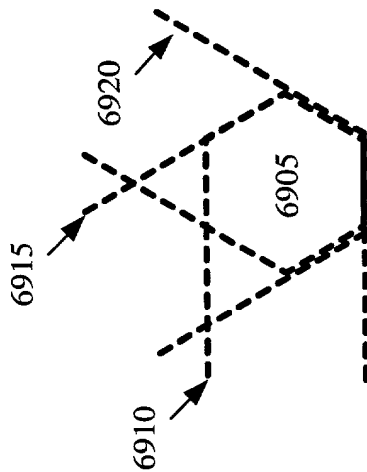
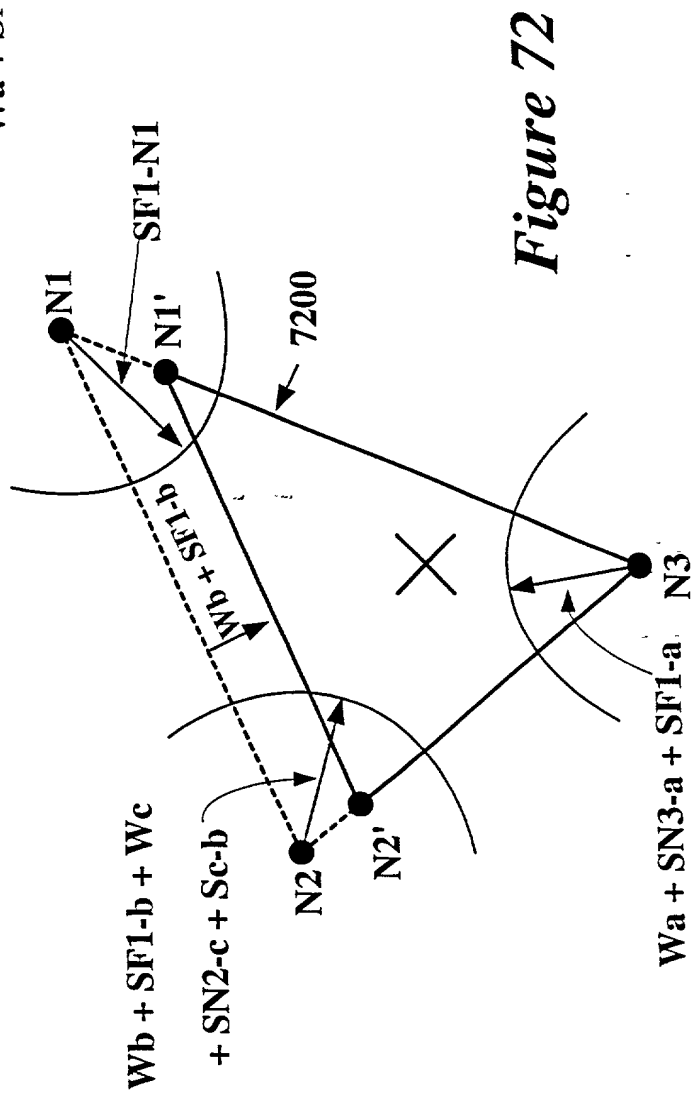
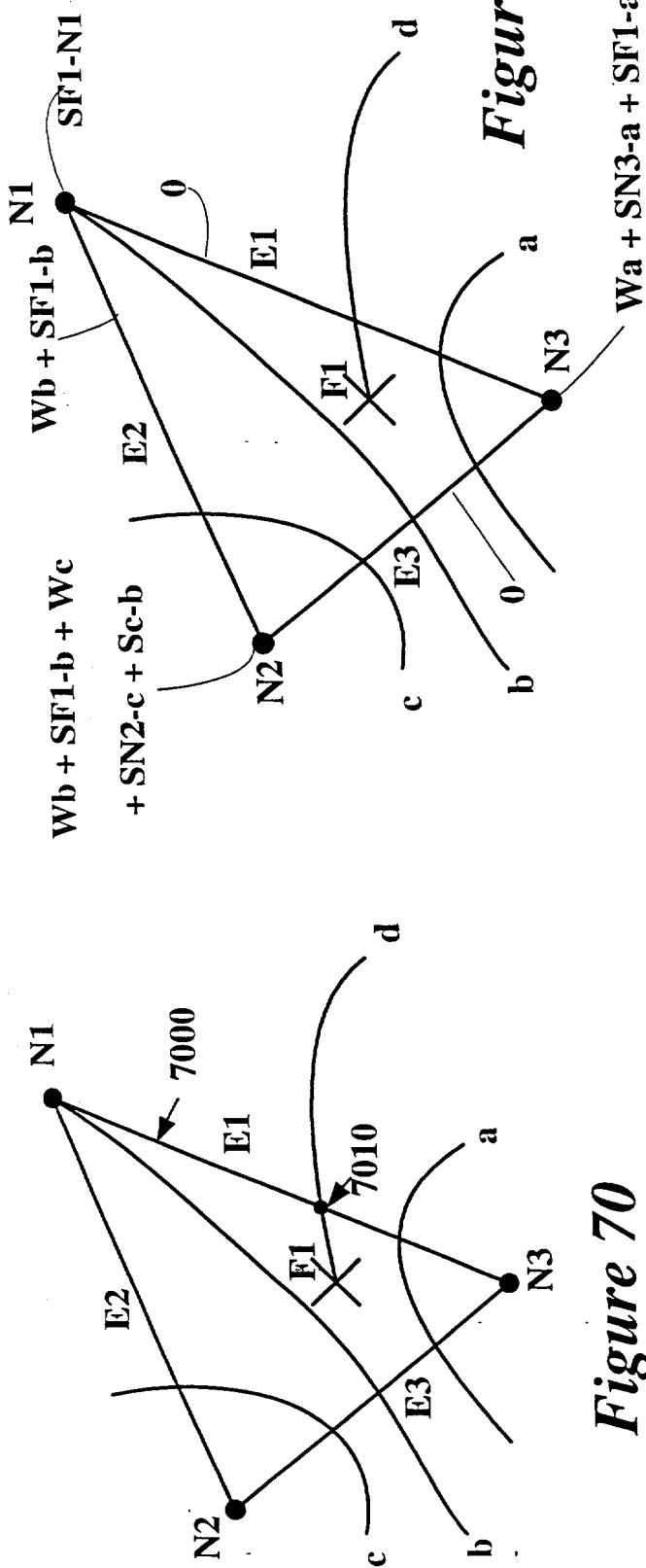


Figure 69



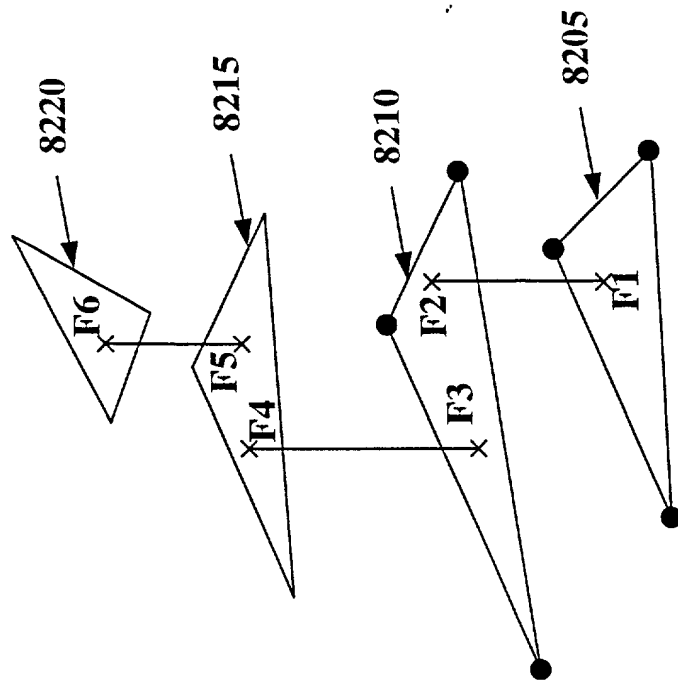


Figure 81

Figure 82

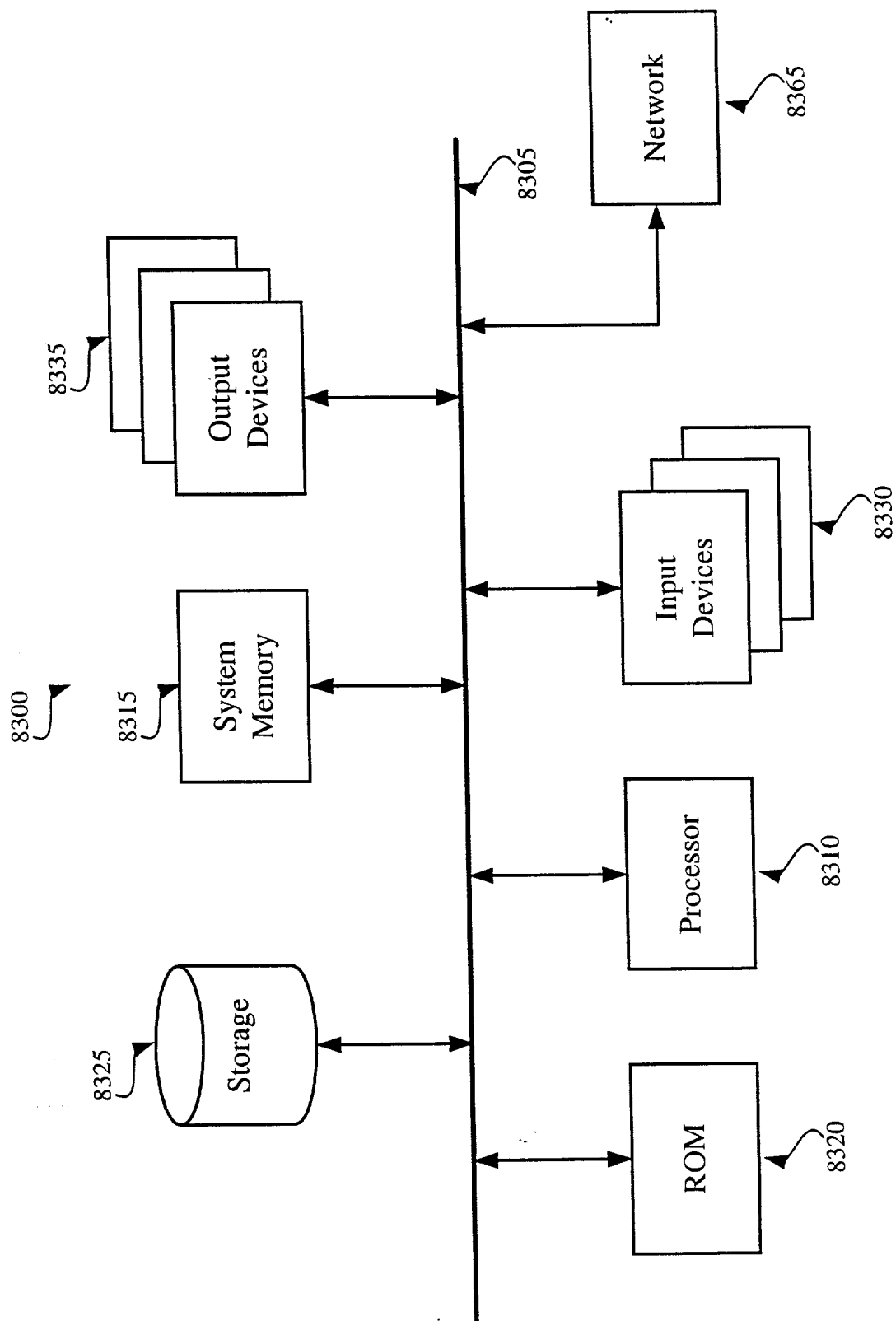


Figure 83